

Stevia Bibliography and References

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Government and Health Organization Reports on Stevia

AFSSA (Agence française de sécurité sanitaire des aliments), 2007. Avis de l'Agence française de sécurité sanitaire des aliments relatif à une autorisation provisoire, pour une durée de deux ans, d'emploi de steviol, extraits de *Stevia rebaudiana*, en tant qu'édulcorant en alimentation humaine dans le cadre de l'article 5 de la directive 89/107/EEC. Maison-Alfort, le 12 octobre 2007.

AFSSA (Agence française de sécurité sanitaire des aliments), 2008. Opinion on a provisional two-year authorisation for the use of steviol, an extract of *Stevia rebaudiana*, as a food sweetener under article 5 of Directive 89/107/EEC, further to Afssa's opinion of 12 October 2007.

AFSSA (Agence française de sécurité sanitaire des aliments), 2009. Avis de l'Agence française de sécurité sanitaire des aliments sur un projet d'arrêté modifiant l'arrêté du 26 août 2009 relatif à l'emploi du rébaudioside A extrait de *Stevia rebaudiana* comme additif alimentaire. Maison-Alfort, le 11 Décembre 2009.

Agency Response Letter GRAS Notice No. GRN 000287 Available from:

<http://www.fda.gov/Food/FoodIngredientsPackaging/GenerallyRecognizedasSafeGRAS/GRASListings/ucm181937.htm> Accessed June 26, 2010

Agency Response Letter GRAS Notice for Rebaudioside A (Reb-A). Available from:

http://www.accessdata.fda.gov/scripts/fcn/gras_notices/804837A.PDF. Accessed June 26, 2010.

Agency Response Letter GRAS Notice No. Grn 000252 Accessed at

<http://www.fda.gov/Food/FoodIngredientsPackaging/GenerallyRecognizedasSafeGRAS/GRASListings/ucm154988.htm>

EC (European Commission). Report on Methodologies for the Monitoring of Food Additive Intake Across the European Union. Final Report Submitted by the Task Coordinator, 16 January 1998.

Codex Alimentarius Commission (2007) *Codex General Standard for Food Additives* (CODEX STAN 192-1995 Accessed at http://www.codexalimentarius.net/gsfaonline/CXS_192e.pdf).

EFSA (European Food Safety Authority), 2007. Opinion of the Panel on Food Additives, Flavourings, Processing Aids and Food Contact Materials (AFC) following a request from the Commission on Neotame as a sweetener and flavour enhancer. The EFSA Journal 581, 1-43.

EFSA (European Food Safety Authority), 2008. Concise European Food Consumption Database. Accessible at: http://www.efsa.europa.eu/EFSA/ScientificPanels/datex/efsa_locale-1178620753812_ConciseEuropeanConsumptionDatabase.htm Safety of steviol glycosides as a food additive.

European Food Safety Authority (EFSA), Parma, Italy. Scientific Opinion on the safety of steviol glycosides for the proposed uses as a food additive. EFSA Journal 2010;8(4):1537.

FDA (Food and Drug Administration), 2008. Center for Food Safety and Applied Nutrition (CFSAN)/Office of Food Additive Safety, December 17, 2008. Agency Response Letter GRAS Notice No. GRN 000253.

FDA (Food and Drug Administration). GRAS Notice Inventory. Accessed at <http://www.fda.gov/Food/FoodIngredientsPackaging/GenerallyRecognizedasSafeGRAS/GRASListings/ucm154988.htm>

Food Standards Agency Stevioside import ban. Accessed at http://www.food.gov.uk/foodindustry/imports/banned_restricted/stevioside.

Food Standards Australia New Zealand. Application A540 - Steviol Glycosides as Intense Sweeteners Accessed at <http://www.foodstandards.gov.au/foodstandards/applications/applicationa540stevi3096.cfm>

French Ministry of Economy, Finance, and Employment. Arrêté du 26 août 2009 relatif à l'emploi du rébaudioside A (extrait de Stevia rebaudiana) comme additif alimentaire. Le Journal officiel de la République française, Edition n° 0206, 6 September 2009. Accessed at <http://www.afssa.fr/> (In English: AAAT2009sa0012EN.pdf)

Health Canada. Revised Guidelines for the Use of Stevia in Natural Health Products. Accessed at <http://www.fda.gov/Food/FoodIngredientsPackaging/GenerallyRecognizedasSafeGRAS/GRASListings/default.htm>

Institute of Medicine. Dietary Reference Intakes for Energy, Carbohydrate, Fiber, Fat, Fatty Acids, Cholesterol, Protein, and Amino Acids. September 5, 2002. Accessed at <http://iom.edu/Reports/2002/Dietary-Reference-Intakes-for-Energy-Carbohydrate-Fiber-Fat-Fatty-Acids-Cholesterol-Protein-and-Amino-Acids.aspx>, May 27, 2010

JECFA (Joint FAO/WHO Expert Committee on Food Additives), 2000. Evaluation of Certain Food Additives. Fifty-first Report of the Joint FAO/WHO Expert Committee on Food Additives. Geneva, Switzerland. WHO Technical Report Series, No. 891, 35-37.

JECFA (Joint WHO/FAO Report). Diet Nutrition and the Prevention of Chronic Diseases. Disease Specific Recommendations. World Health Organization 2003. Accessed at http://www.who.int/hpr/NPH/docs/who_fao_expert_report.pdf. May 27, 2010.

JECFA (Joint FAO/WHO Expert Committee on Food Additives), 2005. Evaluation of Certain Food Additives. Sixty-third Report of the Joint FAO/WHO Expert Committee on Food Additives, Geneva, Switz. WHO Technical Report Series, No. 928, 34-39 and 138.

JECFA (Joint FAO/WHO Expert Committee on Food Additives), 2006. Safety evaluation of certain food additives. Prepared by the 63rd meeting of the Joint FAO/WHO Expert Committee on Food Additives. WHO Food Additives Series, No. 54, 117-144.

JECFA (Joint FAO/WHO Expert Committee on Food Additives), 2007. Evaluation of Certain Food Additives and Contaminants. Sixty-eighth Report of the Joint FAO/WHO Expert Committee on Food Additives. World Health Organization (WHO), Geneva, Switzerland. WHO technical report series No. 947, 50-54.

JECFA (Joint FAO/WHO Expert Committee on Food Additives), 2008. Compendium of Food Additive Specifications. Monograph 5. Steviol glycosides. Available at:
http://www.fsis.usda.gov/codex_alimentarius/Delegate_Report_41CCFH/index.asp

JECFA (Joint FAO/WHO Expert Committee on Food Additives), 2009. Safety evaluation of certain food additives. Prepared by the 69th meeting of the Joint FAO/WHO Expert Committee on Food Additives. WHO Food Additives Series, No. 60, 183-220.

Reports of a Working Group on Scientific Cooperation on Questions Relating to Food, Task 4.2. SCOOP/INT/REPORT/2 (Brussels: European Commission Directorate General I11 Industry).

SCF (Scientific Committee on Food), 1984. Reports of the Scientific Committee for Food Concerning Sweeteners (Opinion Expressed by the SCF on 14 September 1984). In: Food Science and Techniques.

Brussels, Belgium: Commission of the European Communities (EEC), Health & Consumer Protection Directorate-General, Scientific Committee on Food, 1985. (Reports of the Scientific Committee for Food (16th series)).

SCF (Scientific Committee on Food), 1989. Reports of the Scientific Committee for Food on Sweeteners. 21th series. Opinion expressed 11 December 1987 and 10 November 1988, and adopted 10 November 1988.

SCF (Scientific Committee on Food), 1999. Opinion on Stevioside as a Sweetener (Adopted on 17/6/99). Belgium: European Commission, Health & Consumer Protection Directorate-General, Scientific Committee on Food. [CS/ADD/EDUL/167 Final].

US Food and Drug Administration. Has Stevia been approved by the USA to be used as a sweetener? Accessed at <http://www.fda.gov/AboutFDA/Transparency/Basics/ucm194320.htm>

USDA Center for Nutrition Policy and Promotion. Americans Consume Too Many Calories From Solid Fat, Alcohol, and Added Sugar. Nutrition Insight 33. June 2006. Accessed at <http://www.cnpp.usda.gov/Publications/NutritionInsights/Insight33.pdf#xml=http://65.216.150.153/textis/search/pdfhi.txt?query=discretionary+calorie&pr=MyPyramid&rdepth=0&sufs=2&order=r&cq=&id=4bc8cd0b112>. May 27, 2010.

USDA Food and Inspection Service. Report of the U.S. Delegate, 41st Session, Codex Committee on Food Additives (CCFA). Accessed at http://www.fsis.usda.gov/codex_alimentarius/Delegate_Report_41CCFA/index.asp.

USDA Food & Nutrition Information Center. Accessed at http://fnic.nal.usda.gov/nal_display/index.php?info_center=4&tax_level=1

World Health Organization Food Additives. Safety evaluation of certain food additives. Accessed at http://whqlibdoc.who.int/publications/2009/9789241660600_eng.pdf.

World Health Organization Technical Report Series 952. Evaluation of certain food additives. Accessed at http://whqlibdoc.who.int/trs/WHO_TRS_952_eng.pdf.

World Health Organization. WHO/FAO release independent Expert Report on diet and chronic disease. March 3, 2003. Accessed at <http://www.who.int/mediacentre/news/releases/2003/pr20/en/>. May 27, 2010.

Stevia Research

Abudula R, Jeppesen PB, Rolfsen SE, Xiao J, Hermansen K. Rebaudioside A potently stimulates insulin secretion from isolated mouse islets: studies on the dose-, glucose-, and calcium-dependency. *Metabolism* 2004 Oct;53(10):1378-81.

Abudula R, Matchkov VV, Jeppesen PB, Nilsson H, Aalkjaer C, Hermansen K. Rebaudioside A directly stimulates insulin secretion from pancreatic beta cells: a glucose-dependent action via inhibition of ATP-sensitive K-channels. *Diabetes Obes Metab* 2008 Nov;10(11):1074-85.

Ahmad AW, Wong LJ. Determination of sweet diterpene glycosides in *Stevia rebaudiana*. *Mardi Res Bull* 1985;13 (1): 103-07.

Ahmed MK, Smith RM. Determination of stevioside by hplc'aphy with pulsed amperometric detection. *J Separation Sci* 2002; 25 (3): 170-172.

Ahmed MS, Dobberstein RH, Farnsworth NR. *Stevia rebaudiana*. I. Use of p-bromophenacyl bromide to enhance ultraviolet detection of water-soluble organic acids (steviolbioside and rebaudioside B) in high-performance liquid chromatographic analysis. *J Chromatogr* 1980;192:387-93.

Ahmed MS, Dobberstein RH. *Stevia rebaudiana*. II. High-performance liquid chromatographic separation and quantitation of stevioside, rebaudioside A and rebaudioside C. *J Chromatogr* 1982;236: 523-26.

Ahmed MS, Dobberstein RH. *Stevia rebaudiana*. III. High-performance liquid chromatographic separation and quantitation of rebaudiosides B, D and E, dulcoside A and steviolbioside. *J Chromatogr* 245 in1992: 373-376.

Akashi H, Yokoyama Y. [Security of dried-leaves extracts of *Stevia*—report of toxicological test]. *Shokuhin Kogyo* 1975;18: 34-43.

Akashi H. New natural *Stevia* sweetening agent. *Hakko to Kogyo* 1977; 35:1027.

Alvares M, Bazzone RB, Godoy GL, Cury R, Botion LM. Hypoglycemic effect of *Stevia rebaudiana* Bertoni. First Brazilian Seminar on *Stevia Rebaudiana*. *Inst Tecnol Aliment (Campinas) Brazil* June 25-26 1981:13.1.

Alvares AD. Efeito do extrato aquosode Stevia rebaudiana Bertoni sobre parametros bioquimicos de pessoas adultasnormais = [Hypoglycemic effect of Stevia rebaudiana Bertoni]. 1981. Brazilian Archives of Biology and Technology 24, 178 [Abstract No. H-35].

Alvares M, Bazzone RB, Godoy GL, Cury R, Botion LM. Hypoglycemic effect of Stevia rebaudiana Bertoni. First brazilian seminar on Stevia rebaudiana. Inst Tecnol Aliment (Campinas) Brazil June 25-26, 1981:13.1.

Alves LM. The gibberellin and the gibberellin-like substances of Stevia rebaudiana. Diss Abstr Int B 1976;36:3194.

Alves LM, Ruddat M. The presence of gibberellins A20 in Stevia rebaudiana and its significance for the biological activity of steviol. Plant Cell Physiol 1979;20:123.

Angelucci E. Chemical analysis of stevioside. First brazilian seminar on Stevia rebaudiana. Inst Tecnol Aliment (Campinas) Brazil June 25-26 1981: X.1-X.3.

Anton SD, Martin CK, Han H, Coulon S, Cefalu WT, Geiselman P, Williamson DA. Effects of Stevia, aspartame, and sucrose on food intake, satiety, and postprandial glucose and insulin levels. Appetite 2010 Mar 18.

Arisawa M. Cell growth inhibition of KB cells by plant extracts. Natural Med 1994 48(4):338-47.

Aritajat S, Kawewat K, Manosroi J, Manosroi A. Dominant lethal test in rats treated with some plant extracts. Southeast Asian J. Trop. Med. Public Health 2000; 31(Suppl. 1):171-3.

Atteh JO, Onagbesan OM, Tona K, Decuyper E, Geuns JM, Buyse J. Evaluation of supplementary Stevia (Stevia rebaudiana, Bertoni) leaves and stevioside in broiler diets: effects on feed intake, nutrient metabolism, blood parameters and growth performance. J Anim Physiol Anim Nutr (Berl) 2008 Dec;92(6):640-9.

Aze Y, Toyoda K, Imaida K, Hayashi S, Imazawa T, Hayashi Y and Takahashi M. Subchronic oral toxicity study of stevioside in F344 rats. Bulletin of the National Institute of Agricultural Sciences 1991; 48-54 (in Japanese).

Barriocanal L, Palacios M, Benitez S, Canete F, Jimenez JT, Jimenez N, Rojas V. Lack of pharmacological effect of steviol glycosides as a sweetener in humans. Studies on repeated exposures in normotensive and hypotensive individuals and Type 1 and Type 2 diabetes. Presented at the 2nd International Symposium on Stevia, November 2006.

Barriocanal LA, Palacios M, Benitez G, Benitez S, Jimenez JT, Jimenez N, Rojas V. Apparent lack of pharmacological effect of steviol glycosides used as sweeteners in humans. A pilot study of repeated exposures in some normotensive and hypotensive individuals and in Type 1 and Type 2 diabetics. Regul Toxicol Pharmacol 2008 Jun;51(1):37-41. 5

Bazargan M, Gerber JP, Wang J, Chitsaz M, Milne RW, Evans AM. Determination of isosteviol by LC-MS/MS and its application for evaluation of pharmacokinetics of isosteviol in rat. *DARU* 2007; 15: 146–50.

Bazotte RB, Lonardon MT, Alvarez M, Gaeti WP, Amado CA. Determinação da dose letal media (DL50) do isosteviol em animais de laboratorio = [Determination of the lethal dose LD- 50 of isosteviol in laboratory animals]. *Brazilian Archives of Biology and Technology* 1986;29: 711-22.

Bell F. Stevioside: A unique sweetening agent. *Chem Ind* 1954: 897-8.

Bennett RD, Lieber ER, Heftmann E. Biosynthesis of steviol from (-)-kaurane. *Phytochemistry* 1967;6:1107-10.

Bertoni MS. Le KAA HE-E, ITS NATURE AND PROPERTIES. *ANAL CIENT PARAGUAYOS* 1905;5(1): 1-14.

Bertoni MS. Stevia rebaudiana, stevin and rebaudin, new sweet substances. *Anal Cient Paraguayos* 1918; 2: 129-134.

Bian YM. A new sweet plant study of Stevia rebaudiana Bertoni. Determination and preparation of stevioside. *Zhiwu Shenglixue Tongxun* 1981; 3:15-17.

Bobbio FO. Sweet constituents of Stevia rebaudiana Bertoni, chemical and sensory aspects. First Brazilian Seminar On Stevia Rebaudiana Inst Tecnol Aliment (Campinas) Brazil June 25-26 1981: IX.1-IX.2.

Boeckh EM, Humboldt G. [Clinical evaluation of the chronic effects of the natural sweetener Stevia rebaudiana Bertoni on the glucose tolerance test, clinical parameters and electrocardiograms of normal individuals.] *Cienc. Cult* 1981; 32(Suppl.): 208–10 (in Portuguese).

Boeckh EM. Stevia rebaudiana Bertoni: cardio-circulatory effects of total water extract in normal persons and of stevioside in rats and frogs. First Brazilian Seminar On Stevia Rebaudiana. Inst Tecnol Aliment (Campinas) Brazil June 25-26 1981: 11.1-11.2.

Boeckh EM. Stevia rebaudiana Bertoni -cardio-circulatory effects of total aqueous extract in normal person and of stevioside in rats and frogs. First Brazilian Seminar On Stevia Rebaudiana Inst Tecnol Aliment (Campinas) Brazil June 25-26 1981 : XI.I-XI.2.

Boeckh EM, Humboldt G. V avaliacao clinica do efeito cronico do edulcorante natural Stevia rebaudiana Bertoni sobre o teste de tolerancia a glicose, parametros clinicos e eletrocardiograficos em individuos normais. *Simposio De Plantas Mediciniais Do Brasil*.

Boonkaewwan C, Toskulkao C, Vongsakul M. Anti-inflammatory and immunomodulatory activities of stevioside and its metabolite steviol on THP-1 cells. *Journal of Agricultural and Food Chemistry* 2006; 54: 785-9.

Boonkaewwan C, Ao M, Toskulkao C, Specific immunomodulatory and secretory activities of stevioside and steviol in intestinal cells. *Rao MC.J Agric Food Chem*. 2008 May 28;56(10):3777-84.

Bornia EC, do Amaral V, Bazotte RB, Alves-Do-Prado W. The reduction of arterial tension produced by stevioside is dependent on nitric oxide synthase activity when the endothelium is intact. 23. *J Smooth Muscle Res* 2008 Feb;44(1):1-8.

Bracht AK, Alvarez M, Bracht A. Effects of *Stevia rebaudiana* natural products on rat liver mitochondria. *Biochem Pharmacol* 1986;34 (6): 873-82.

Brandle JE, Starratt AN, Gijzen M. *Stevia rebaudiana*: Its agricultural, biological, and chemical properties. *Can J Plant Sci* 1998; 78: 527-36.

Braguini WL, Gomes MA, de Oliveira BH, Carnieri EG, Rocha ME, de Oliveira MB. Activity of isosteviol lactone on mitochondrial metabolism. *Toxicol Lett.* 2003 Jun 5;143(1):83-92.

Bridel M, Lavieille R. The rebaudine of dieterich is impure stevioside. *J Pharm Chim* 1931;14: 161.

Bridel M, Lavieille R. The sweet principle of kaa-he-e (*Stevia rebaudiana*). II. Products of diastatic hydrolysis of stevioside glucose and steviol. *C R Acad Sci* 1931;193:72.

Bridel M, Lavieille R. The sweet principle of kaa-he-e (*Stevia rebaudiana*). *J Pharm Chim* 1931;14:99.

Bridel M, Lavieille R. The rebaudine of dieterich is impure stevioside. *Bull Soc Chim Biol* 1931;13:656.

Brusick DJ. A critical review of the genetic toxicity of steviol and steviol glycosides. *Food Chem Toxicol* 2008 Jul;46 Suppl 7:S83-91.

Carakostas MC, Curry LL, Boileau AC, Brusick DJ. Overview: the history, technical function and safety of rebaudioside A, a naturally occurring steviol glycoside, for use in food and beverages. *Food Chem Toxicol* 2008 Jul;46 Suppl 7:S1-S10.

Cavalcante da Silva GE, Assef AH, Cordeiro Albino C, de Araujo Funari Ferri L, Tasin G, Takahashi MH, Filho WE and Barbosa Bazotte R. Investigation of the tolerability of oral stevioside in Brazilian hyperlipidemic patients. *Brazilian Archives of Biology and Technology* 2006;49: 583-7.

Chagas AM, Tabarelli Z, Simoes SRM, Azzolin ELC. Effects of total aqueous extract of *Stevia rebaudiana* and its stevioside upon renal parameters in vagrant dogs and dogs with water overload. *Revista de Ciencias Biomedicas* 1990;11:1-11.

Chan P, Xu D-Y, Liu J-C, Chen Y-J, Tomlinson B, Huang W-P, Cheng J-T. The effect of stevioside on blood pressure and plasma catecholamines in spontaneously hypertensive rats. *Life Sciences* 1998;63 1679-84.

Chan P, Tomlinson B, Chen YJ, Liu JC, Hsieh MH, Cheng JT. A double-blind placebo-controlled study of the effectiveness and tolerability of oral stevioside in human hypertension. *Br J Clin Pharmacol* 2000 Sep;50(3):215-20.

Chang JC, Wu MC, Liu IM, Cheng JT. Increase of insulin sensitivity by stevioside in fructose-rich chow-fed rats. *Horm Metab Res* 2005;37(10):610-6.

Chang SS, Cook JM. Stability studies of Stevioside and Rebaudioside A in Carbonated Beverages. *Journal of Agricultural and Food Chemistry* 1983; 31:409-12.

Chang SF, Yang LM, Hsu FL, Hsu JY, Liaw JH, Lin SJ. Transformation of steviol-16a,17-epoxide by *Streptomyces griseus* and *Cunninghamella bainieri*. *J Nat Prod* 2006;69:1450–55. Charles River Laboratoires, 2008. Orla (stomach tube) developmental toxicity study of CPO 2196 in rabbits. Study No EHE00002. Charles river Laboratories, Horsham, PA.

Chatsudthipong V, Thongouppakarn P. Effect and mechanism of stevioside on rat renal function. *FASEB J* 1995; 9: A917 (Abstract No. 5322).

Chatsudthipong V, Thongouppakarn P. Effect and mechanism of stevioside on rat renal function. 1995. *The FASEB Journal (The Journal of the Federation of American Societies for Experimental Biology)* 9, A917 [Abstract No. 5322].

Chatsudthipong V, Jutabha P. Effect of steviol on para-aminohippurate transport by isolated perfused rabbit renal proximal tubule. *J Pharmacol Exp Ther* 2001 Sep;298(3):1120-7.

Chatsudthipong V, Lungkaphin A, Kaewmokul S. The interaction of steviol with rabbit OCT1 and OCT2. *FASEB J* 2003;17: A476 (Abstract No. 331.4).

Chatsudthipong V, Lungkaphin A, Kaewmokul S. The interaction of steviol with rabbit OCT1 and OCT2. 2003. *The FASEB Journal (The Journal of the Federation of American Societies for Experimental Biology)* 17, A476 [Abstract No. 331.4].

Chatsudthipong V, Muanprasat C. Stevioside and related compounds: therapeutic benefits beyond sweetness. *Pharmacol Ther* 2009;121(1):41-54.

Chen WS, Yeh CS. Preliminary report on the examination of stevioside by high-pressure liquid chromatography. *Taiwan Tang Yeh Yen Chiu So Yen Chiu Hui Pao* 1978;79:43-48 .

Chen TH, Chen SC, Chan P, Chu YL, Yang HY, Cheng JT. Mechanism of the hypoglycaemic effect of stevioside a glycoside of *Stevia rebaudiana*. *Planta Medica* 2005;71:108-13.

Chen J, Jeppesen PB, Abudula R, Dyrskog SE, Colombo M, Hermansen K. Stevioside does not cause increased basal insulin secretion or beta-cell desensitization as does the sulphonylurea, glibenclamide: studies in vitro. *Life Sci.* 2006;78(15):1748-53.

Chen J, Jeppesen PB, Nordentoft I, Hermansen K. Stevioside counteracts the glyburide-induced desensitization of the pancreatic beta-cell function in mice: studies in vitro. *Metabolism* 2006 Dec;55(12):1674-80.

Chen J, Jeppesen PB, Nordentoft I, Hermansen K. Stevioside counteracts beta-cell lipotoxicity without affecting acetyl CoA carboxylase. *The Review of Diabetic Studies* 2006b;3:178-88.

Chen J, Jeppesen PB, Nordentoft I, Hermansen K. Stevioside improves pancreatic beta-cell function during glucotoxicity via regulation of acetyl-CoA carboxylase. *Am J Physiol Endocrinol Metab* 2007;292(6):E1906-16.

Chen SY, Li QR. Influence of growth regulatory substances on stevioside content of *Stevia rebaudiana* callus. *Zhiwu Shenglixue Tongxun* 1993;29(4):265-267.

Cheng TF, Chang WH, Chang TR. A study on the post-harvest changes in steviosides contents of *Stevia* leaves and stems. *Nat Sci Counc Monthly Roc* 1981;9(9):775-82.

Cheng TF, Chang WH. Studies on the nonstevioside components of *Stevia* extracts. *K'o Hsueh Fa Chan Yueh K'an* 1983;11(2):96-108.

Chueh WJ. A new natural sweetening agent-stevioside. *Shih P'in Kung Yeh(Taiwan)* 1977;9:34-35.

Chung MH, Lee MY. Studies on the development of hydrangea and *Stevia* as natural sweetening products. *Korean J Biochem* 1978;9(3):149-156.

Chung MS, Suh HJ, Yoo W, Choi SH, Cho YJ, Cho YH, Kim CJ. Daily intake assessment of saccharin, stevioside, D-sorbitol and aspartame from various processed foods in Korea. *Food Additives and Contaminants* 2005;22:1087-97.

Chung MH, Lee MY. Studies on the development of hydrangea and *Stevia* as a natural sweetening products. *Korean J Pharmacog* 1978;9:149-56.

Compadre CM, Hussain RA, Nanayakkara NP, Pezzuto JM, Kinghorn AD. Mass spectral analysis of some derivatives and in vitro metabolites of steviol, the aglycone of the natural sweeteners, stevioside, rebaudioside A, and rubusoside. *Biomedical and Environmental Mass Spectrometry* 1988;15:211-22 [& Errata 15, 635].

Costa C, Costa S, Rocha M, Peres S, Dacomi A, Piccinato C, Carpinelli A, Lima F. Rebaudioside A, a glycoside of the *Stevia rebaudiana*, stimulates insulin secretion in rat isolated pancreatic islets. *Diabetes* 2003a;52(1):A370 [Abstract No. 1606-P].

Costa C, Costa S, Peres S, De Moraes SF, Takada J, Brito L, Alonso MI, Andreotti S, Machado M, Borges C, Lima F. Rebaudioside A, a diterpene glycoside from *Stevia rebaudiana*, causes insulin resistance in rat periepididymal isolated adipocytes. *Diabetes* 2003b;52(1): A532 [Abstract No. 2307-PO].

Constantin J, Ishii-Iwamoto EL, Ferraresi-Filho O, Kelmer-Bracht AM, Bracht A. Sensitivity of ketogenesis and citric acid cycle to stevioside inhibition of palmitate transport across the cell membrane. *Brazilian Journal of Medical Biological Research* 1991;24:767-771.

Crammer B, Ikan R. Properties and synthesis of sweetening agents. *Chem Soc Rev* 1977;6:431-565.

Crosby GA. New sweeteners. *Crit Rev Food Sci Nutr* 1976;297-323.

Curi R, Alvarez M, Bazotte RB, Botion LM, Godoy JL, Bracht A. Effect of Stevia rebaudiana on glucose tolerance in normal adult humans. *Brazilian Journal of Medical Biological Research* 1986; 19:771-774.

Curry LL, RoBerts A, Brown N. Rebaudioside A: two-generation reproductive toxicity study in rats. *Food Chem Toxicol* 2008 Jul;46 Suppl 7:S21-30.

Curry LL, RoBerts A. Subchronic toxicity of rebaudioside A. *Food Chem Toxicol* 2008 Jul;46 Suppl 7:S11-20. 6.

D'Agostino M, De Simone F, Pizza C, Aquino R. Sterols from Stevia rebaudiana Bertoni. *Boll Soc Ital Biol Sper* 1984; 60 (12):2237-40.

Dao KN, Le VH. Biological properties of flavonoids from Stevia rebaudiana Bert. *Tap Chi Duoc Hoc* 1995 2: 17/18-21.

Das S, Das AK, Murphy RA, Punwani IC, Nasution MP, Kinghorn AD. *Caries Research* 1992;26:363- 66.

Darise M, Kohda H, Mizutani K, Kasai R, Tanaka O. Chemical constituents of flowers of Stevia rebaudiana Bertoni. *Agr Biol Chem* 1983;47(1):133-5.

De Cernadas RR, Pryluka M. A method for the isolation of stevioside from leaves of Stevia rebaudiana Bert. *Rev Agroquim Tecnol Aliment* 1985;25(2):268-72.

De Levy RH. Stevia rebaudiana Bertoni: An excellent natural sweetening agent. *Acta Farm Bonaerense* 1984;3(1):47-50.

Derkach AI, Kovalyov IP, Bublik NP. Diterpene Glycosides and Phenylpropanoids of Stevia Rebaudiana Bertoni (Asteraceae).

De-Yi X, Hong C, Yuan-Yuan L, 1990. The antihypertensive effects by stevioside in the conscious normal and hypertensive rats. *European Journal of Pharmacology* 183, 1822 [Abstract No. P.th.182].

Dieterich K. The constituents of eupatorium rebaudianum, kaa-he-e, and their pharmaceutical value. *Pharm Zentralhalle Dtschl* 1913;50:435.

Dyrskog SE, Jeppesen PB, Chen J, Christensen LP, Hermansen K. The diterpene glycoside, rebaudioside A, does not improve glycemic control or affect blood pressure after eight weeks treatment in the Goto-Kakizaki rat. *Rev Diabet Stud* 2005 Summer;2(2):84-91.

Dyrskog SE, Jeppesen PB, Colombo M, Abudula R, Hermansen K. Preventive effects of a soy-based diet supplemented with stevioside on the development of the metabolic syndrome and type 2 diabetes in Zucker diabetic fatty rats. *Metabolism* 2005 Sep;54(9):1181-8.

Felippe GM, Randi AM. Germination and endogenous growth substances of Stevia rebaudiana. First Brazilian Seminar on Stevia Rebaudiana Inst Tecnol Aliment (Campinas) Brazil June 25-26 1981: V.1-V.2.



Felippe GM. Stevia rebaudiana. A review. *Cienc Cult (Sao Paulo)* 1977;29:1240.

Ferlow K. Stevia - The sweetest substance on Earth. *NutraCos* 2005;4(2):10-11.

Ferreira EB, de Assis Rocha Neves F, da Costa MA, do Prado WA, de Araújo Funari, Ferri L, Bazotte RB. Comparative effects of Stevia rebaudiana leaves and stevioside on glycaemia and hepatic gluconeogenesis. *Planta Med* 2006 Jun;72(8):691-6.

Ferri LA, Alves-Do-Prado W, Yamada SS, Gazola S, Batista MR, Bazotte RB. Investigation of the antihypertensive effect of oral crude stevioside in patients with mild essential hypertension. *Phytother Res* 2006 Sep;20(9):732-6.

Figlewicz DP, Ioannou G, Bennett Jay J, Kittleson S, Savard C, Roth CL. Effect of moderate intake of sweeteners on metabolic health in the rat. *Physiol Behav* 2009 Dec 7;98(5):618-24.

Flecher JR, HG. The sweet herb of Paraguay (Review). *Chemurgic Digest* 1955;14(4):7-18.

Flores RZ, Cechin STZ, Rodrigues da Silva AC. Absence of mutagenesis induced by the stevioside from Stevia rebaudiana (Bert.) Bertoni. *Ciencia e Cultura* 1987;39:417-418.

Fuh WS, Chiang BH. Purification of steviosides by membrane and ion exchange processes. *J Food Sci* 1990;55(5): 1454-57.

Fujita Y, Wideman RD, Speck M, Asadi A, King DS, Webber TD, Haneda M, Kieffer TJ. Incretin release from gut is acutely enhanced by sugar but not by sweeteners in vivo. *Am J Physiol Endocrinol Metab* 2009 Mar;296(3):E473-9.

Fujita S, Taka K, Fujita Y. Miscellaneous contributions to the essential oils of the plants from various territories. XLI. On the components of the essential oil Stevia rebaudiana. *Yakugaku Zasshi* 1977;97:692.

Fullas F, Kim JW, Compadre CM, Nanayakkara NP, Hussain RA, Kinghorn AD. Analytical and preparative separations of some natural product intense sweeteners using overpressure layer chromatography. *Abstr International Congress on Natural Products Research Park City Utah July 17-21 1988: ABSTR-P12.*

Fullas F, Kim J, Compadre CM, Kinghorn AD. Separation of natural product sweetening agents using overpressured layer chromatography. *J Chromatogr* 1989; 464(1):213-19.

Gardana C, Scaglianti M and Simonetti P. Evaluation of steviol and its glycosides in Stevia rebaudiana leaves and commercial sweetener by ultra-high-performance liquid chromatography-mass spectrometry. *Journal of Chromatography A* 2010; 1217:1463-1470.

Gardana C, Simonetti P, Canzi E, Zanchi R, Pietta P. Metabolism of stevioside and rebaudioside A from Stevia rebaudiana extracts by human microflora. *J Agric Food Chem* 2003 Oct 22;51(22):6618-22.

Geeraert B, Cromb   F, Hulsmans M, Benhabil  s N, Geuns JM, Holvoet P. Stevioside inhibits atherosclerosis by improving insulin signaling and antioxidant defense in obese insulin-resistant mice. *Int J Obes (Lond)* 2010 Mar;34(3):569-77.

Geuns JM. Safety of Stevia and stevioside. *Recent Res Develop Phytochem* 2000; 4:75-88.

Geuns JM, Bruggeman V, Buyse JG. Effect of stevioside and steviol on the developing broiler embryos. *J Agric Food Chem* 2003 Aug 13;51(17):5162-7.

Geuns JM. Stevioside. *Phytochemistry* 2003 Nov;64(5):913-21.

Geuns JMC, Augustijns P, Mols R, Buyse JG, Driessen B. Metabolism of stevioside in pigs and intestinal absorption characteristics of Stevioside, Rebaudioside A and Steviol. *Food and Chemical Toxicology* 2003a; 41:1599-1607.

Geuns JMC, Malheiros RD, Moraes VMB, Decuypere EM-P, Compennolle F, Buyse JG. Metabolism of stevioside by chickens. *Journal of Agricultural and Food Chemistry* 2003b; 51:1095-1101.

Geuns JM, Augustijns P, Mols R, Buyse JG, Driessen B. Metabolism of stevioside in pigs and intestinal absorption characteristics of stevioside, rebaudioside A and steviol. *Food Chem Toxicol* 2003 Nov;41(11):1599-607.

Geuns JM, Buyse J, Vankeirsbilck A, Temme EH, Compennolle F, Toppet S. Identification of steviol glucuronide in human urine. *J Agric Food Chem* 2006 5;54(7):2794-8.

Geuns JM, Buyse J, Vankeirsbilck A, Temme EH. Metabolism of stevioside by healthy subjects. *Exp Biol Med* 2007;232(1):164-73.

Geuns JM, Buyse J, Vankeirsbilck A, Temme EH. Metabolism of stevioside by healthy subjects. *Exp Biol Med (Maywood)* 2007;232(1):164-73.

Geuns, JM Comments to the paper by Nunes et al., Analysis of genotoxic potential of stevioside by comet assay, *Food and Chemical Toxicology* 2007;45:662–666.

Geuns JM. Analysis of Steviol glycosides: validation of the methods. pp. 59-78 in *Proceedings of the EUSTAS Stevia Symposium, June 27th 2008, KULeuven, Belgium* Ed: Jan M.C. Geuns, ISBN: D/2008/6045/50.

Ghanta S, Banerjee A, Poddar A, Chattopadhyay S. Oxidative DNA damage preventive activity and antioxidant potential of Stevia rebaudiana Bertoni, a natural sweetener. *J Agric Food Chem* 2007;26;55(26):10962-7.

Gorbenko N, Poltorak V, Gladkih A, Ivanova O, Khudyakova E, Gorbenko K, Gorshunskaya M. Natural sweetener stevioside improves lipid profile and ameliorates oxidative stress in diabetic rabbits. *Diabetologia*, 2005;48 (Suppl. 1), A273 (Abstract No. 754).

Goyal SK, Samsher, Goyal RK. Stevia (*Stevia rebaudiana*) a bio-sweetener: a review. *Int J Food Sci Nutr* 2010;61(1):1-10.

Gregersen S, Hermansen K, Jeppesen PB and Holst JJ. Acute effects of the diterpene glycoside stevioside in type II diabetic patients. *Diabetologia* 2001; 44 (1), 236 [Abstract No. 905].

Gregory JR, Collins DL, Davies PSW, Hughes JM, Clarke PC. National Diet and Nutrition Survey; Children aged 1½ to 4½ years. Her Majesty's Stationery Office. 1995. ISBN: 0116916117. London. England.

Gregersen S, Jeppesen PB, Holst JJ, Hermansen K. Antihyperglycemic effects of stevioside in type 2 diabetic subjects. *Metabolism* 2004;53(1):73-6.

Hagiwara A, Fukushima S, Kitaori M, Shibata M, Ito N. Effects of three sweeteners on rat urinary bladder carcinogenesis initiated by N-butyl-N-(4-hydroxybutyl) nitrosamine. *Gann* 1984;75:763-768 (English abstract only).

Hansel R. Medicinal empire and modern drug research. *Acta Med Empirica* 1979;6:434-43.

Hanson JR, White AF. Studies in terpenoid biosynthesis. II. The biosynthesis of steviol. *Phytochemistry* 1968;7:595-97.

Harmaini MJ. Hypoglycemic effect of *Stevia rebaudiana* Bertonii on rabbits. Thesis-MS-Dept Chem-Fac Math & Sci-Inst Tech Bandung-Indonesia 1986.

Hashimoto Y, Moriyasu M, Nakamura S, Ishiguro S, Komuro M. High-performance liquid chromatographic determination of Stevia components on a hydrophilic packed column. *J Chromatogr* 1978;161:403.

Hashimoto Y, Moriyasu M. Determination of sweet components in *Stevia rebaudiana* by high-performance liquid chromatography. Ultraviolet detection. *Shoyakugaku Zasshi* 1978;32:209-11.

Henderson L, Gregory J, Swan, G. The National Diet and Nutrition Survey: adults aged 19 to 64 years. Types and quantities of foods consumed. Her Majesty's Stationery Office. 2002. ISBN: 0116215666. London. England.

Höhn S, Zankl H, 1990. Mutagenic effects of stevioside in vitro and in vivo, *Mutagenesis* 5, 622 Abstract No. 16.

Hong J, Chen L, Jeppesen PB, Nordentoft I, Hermansen K. Stevioside counteracts the alpha-cell hypersecretion caused by long-term palmitate exposure. *Am J Physiol Endocrinol Metab* 2006;290(3):E416-22.

Horio T. Effect of physical exercise on human preference for solutions of various sweet substances. *Percept Mot Skills* 2004;99(3 Pt 1):1061-70.

Hovanec-Brown JM, Makapugay HC, Nanayakkara NPD Soejarto DD Pezzuto JM, Medon PJ, Kinghorn AD. Sweet ent-kaurane glycosides from Stevia herbarium leaf samples and their biological evaluation. Abstr 23rd Annual Meeting American Society of Pharmacognosy August 1-5 1982 Pittsburgh PA 23: ABSTR-56.

Hsieh M, Chan P, Sue Y, Liu J, Liang T, Huang T, Tomlinson B, Chow MS, Kao P, Chen Y. Efficacy and tolerability of oral stevioside in patients with mild essential hypertension: A two-year, randomised, placebo-controlled study. *Clinical Therapeutics* 2003;25:2797-2808.

Hsin YY, Yang YW, Chang WC. Recent studies on Stevia rebaudiana. *K'o Hsueh Fa Chan Yueh K'an* 1979;7(10):1049-55.

Hsing YL, Su WF, Chang WC. Accumulation of stevioside and rebaudioside a in callus culture of Stevia rebaudiana Bertoni. *Bot Bull Acad Sin* 1983;24(2):115-19.

Hsu YH, Liu JC, Kao PF, Lee CN, Chen YJ, Hsieh MH, Chan P. Antihypertensive effect of stevioside in different strains of hypertensive rats. *Zhonghua Yi Xue Za Zhi (Taipei)* 2002;65(1):1-6.

Huang BL. Recent progress in studies on stevioside. *Shipin Kexue (Beijing)* 1984;24:1-4.

Hübler MO, Bracht A, Kelmer-Bracht AM. Influence of stevioside on hepatic glycogen levels in fasted rats. *Research Communications in Chemical Pathology and Pharmacology* 1994;84:111-18.

Huang BL. Preliminary studies on laboratory isolation of stevioside crystals from Stevia rebaudiana. *Shih P'in K'o Hsueh (Beijing)* 1982;28:1-2.

Huang B. Present status on the application of sweetening constituent of Stevia rebaudiana Bertoni in non-staple foods. *Tiaowei Fushipin Keji* 1982 (12):8-10.

Huang YS, Gus A, Qian Y, Chen LY, Cu HF. Variation of steviosides content and selection of type-R-A in Stevia rebaudiana. *Zhiwu Ziyuan Yu Huanjing* 1995;4(3):28-32.

Hutapea AM, Toskulkao C, Buddhasukh D, Wilairat P, Glinsukon T. Digestion of stevioside, a natural sweetener, by various digestive enzymes. *Journal of Clinical Biochemistry and Nutrition* 1997; 23: 177-86.

Huxtable RJ. Pharmacology and toxicology of stevioside, rebaudioside A, and steviol. In: KinghornAD, ed. *Stevia: The Genus Stevia*. London, England/New York (NY): Taylor and Francis, 2002. Medicinal and aromatic plants-Industrial Profiles 19: 160-177.

Inglett GE. A potential saccharin replacement stevioside. *Botanicals. C R Acad Sci* 1972;192:1123-1931.

Inglett GE. A history of sweeteners. Natural and synthetic. *J Toxicol Environ Health* 1976;2:207-13.

Ishii EL, Bracht A. Stevioside, the sweet glycoside of Stevia rebaudiana, inhibits the action of atractyloside in the isolated perfused rat liver. *Research Communications in Chemical Pathology and Pharmacology* 1986;53:79-91.

Ishii EL, Schwab AJ, Bracht A. Inhibition of monosaccharide transport in the intact rat liver by stevioside. *Biochemical Pharmacology* 1987;36:1417-33.

Ishidate M, Sofuni T, Yoshikawa K, Hayashi M, Nohmi T, Sawada M, Matsuoka A. Primary mutagenicity screening of food additives currently used in Japan. *Food and Chemical Toxicology* 1984;22:623-36.

Ito N, Fukushima S, Shirai T, Hagiwara A, Imaida K. Drugs, food additives and natural products as promoters in rat urinary bladder carcinogenesis. In: Börzsönyi M, Day NE, Lapis K and Yamasaki H, eds, *Models, Mechanisms and Etiology of Tumour Promotion (IARC Scientific Publications No. 56)*, Lyon, International Agency for Research on Cancer 1984: 399-407.

Jakinovich JR, Moon C, Choi YH, Kinghorn AD. Evaluation of plant extracts for sweetness using the mongolian gerbil. *J Nat Prod* 1990;53(1):190-5.

Jeppesen PB, Gregersen S, Alstrup KK, Hermansen K. Stevioside induces antihyperglycaemic, insulinotropic and glucagonostatic effects in vivo: studies in the diabetic Goto-Kakizaki (GK) rats. *Phytomedicine* 2002; 9(1):9-14.

Jeppesen PB, Gregersen S, Rolfsen SE, Jepsen M, Colombo M, Agger A, Xiao J, Kruhøffer M, Orntoft T, Hermansen K. Antihyperglycemic and blood pressure-reducing effects of stevioside in the diabetic Goto-Kakizaki rat. *Metabolism* 2003;52(3):372-8.

Jeppesen PB, Gregersen S, Hermansen K. Stevioside and steviol stimulates insulin secretion from isolated mouse islets. *Diabetologia* 1996;39:A125 [Abstract No. 472].

Jeppesen P, Gregersen S, Poulsen CR, Hermansen K. Stevioside acts directly on pancreatic b cells to secrete insulin: actions independent of cyclic adenosine monophosphate and adenosine triphosphate-sensitive K⁺-channel activity. *Metabolism* 2000;49:208-14.

Jeppesen PB, Dyrskog SE, Agger A, Gregersen S, Colombo M, Xiao J, Hermansen K. Can stevioside in combination with a soy-based dietary supplement be a new useful treatment of type 2 diabetes? An in vivo study in the diabetic goto-kakizaki rat. *The Review of Diabetic Studies* 2006a; 3: 189-99.

Jeppesen PB, Barriocanal L, Meyer MT, Palacios M, Canete F, Benitez S, Logwin S, Schupmann Y, Benitez G, Jimenez JT. Efficacy and tolerability of oral stevioside in patients with type 2 diabetes: a long-term, randomized, doubleblinded, placebo-controlled study. *Diabetologia* 2006;49(Suppl. 1): 511–512 (Abstract No. 0843).

Jewpraditkul S, Wannadee S, Damronglerd S, Angelino H. Extraction of stevioside from Stevia leaves. *Abstr Princess Congress I Bangkok Thailand 10-13 December 1980: ABSTR-BP-20.*

JORF (Journal Officiel de la République Française), 2009. Ministère de l'Économie, de l'Industrie et de l'Emploi. Arrêté du 26 août 2009 relatif à l'emploi du rébaudioside A (extrait de Stevia rebaudiana) comme additif alimentaire. 6 septembre 2009, texte 6 sur 35.

Jutabha P, Toskulkao C, Chatsudthipong V. Effect of stevioside on PAH transport by isolated perfused rabbit renal proximal tubule. *Can J Physiol Pharmacol.* 2000;78(9):737-44.

Kaneda N, Kasai R, Yamasaki K, Tanaka O. Chemical studies on sweet diterpene-glycosides of *Stevia rebaudiana*: Conversion of stevioside into rebaudioside-A. *Chem Pharm Bull* 1977;25:2466.

Kasai R, Yamaguchi H, Tanaka O. High-performance liquid chromatography of glycosides on a new type of hydroxyapatite column. *J Chromatogr* 1987;407(1):205-10.

Kato I. Utilization and safety of stevioside. *Shokuhin Kogyo* 1975;18(20):44-9.

Kawamori T, Tanaka T, Hara A, Yamahara J, Mori H. Modifying effects of naturally occurring products on the development of colonic aberrant crypt foci induced by azoxymethane in F344 rats. *Cancer Research* 1995;55:1277-82.

Kawatani T, Kaneki Y, Tanabe T, Takahashi T. On the cultivation of kaa-he-e (*Stevia rebaudiana* Bertoni). VI. Response of kaa-he-e to potassium fertilization rates and to the three major elements of fertilizer. *Nettai Nogyo* 1980;24(3):105-12

Kelmer-Bracht AM, Alvarez M, Bracht A. Effects of *Stevia rebaudiana* natural products on rat liver mitochondria. *Biochemical Pharmacology* 1985; 34: 873-882.

Kennelly EA. "Sweet and non-sweet constituents of *Stevia rebaudiana*." Douglas Kinghorn. *Stevia: The genus Stevia*. CRC Press, 2002: Page 68.

Kerr WE, Mello ML, Bonadio E. Mutagenicity tests on the stevioside from *Stevia rebaudiana* (Bert.) Bertoni. *Brazilian Journal of Genetics* 1983; 1:173-76.

Khramov VA, Dmitrienko NV. Chlorogenic acid in leaves and lyophilized extracts of *Stevia*. *Pharm Chem J* 2000; 34(11):605-06.

Kim HS, Lee HJ. Acceptability of stevioside as a natural sweetener. *Han'guk Sikk'um Kwahakhoe Chi* 1979;11(1):56-62.

Kimata H. Anaphylaxis by stevioside in infants with atopic eczema. *Allergy* 2007;62:565-66.

Kinghorn AD, Nanayakkara NPD, Yeh S, Soejarto DD, Medon PJ, Kamath SK. Purification of stevioside from *Stevia rebaudiana* by droplet counter-current chromatography. *Abstr Joint Meeting American Society of Pharmacognosy and Society for Economic Botany Boston July 13-17 1981:63.*

Kinghorn AD, Soejarto DD, Nanayakkara NP, Compadre CM, Makapugay HC, Hovanec-Brown JM, Medon PJ, Kamath SK. Potential sweetening agents of plant origin. Part IV. A phytochemical screening procedure for sweet ent-kaurene glycosides in the genus *Stevia*. *J Nat Prod* 1984; 47(3):439-44.

Kinghorn AD, Soejarto DD. In Wagner H, Hikino H, Farnsworth NR. *Economic And Medicinal Plant Research*. 1985. Vol. 1. Eds. Academic Press: Orlando, FL.

Kinghorn AD, Compadre CM. Naturally occurring intense sweeteners. *Pharm Int* 1985;6(8): 201-204.

Kinghorn AD, Soejarto DD, Katz NL, Kamath SK. Studies to identify, isolate, develop and test naturally occurring noncariogenic sweeteners that may be used as dietary sucrose substitutes. *US NTIS NIDR* 1985; Rep No CR-85/01985 (11):47.

Kinghorn AD, Soejarto DD. Stevioside. *Food Sci Technol* 1991; 48(2)ED:157-71.

Kinghorn AD, Kaneda N, Baek NI, Kennelly EJ, Soejarto DD. Noncariogenic intense natural sweeteners. *Medicinal Research Reviews* 1998;18:347-60.

Klages A. *Stevia rebaudiana*, a Paraguayan sweet-tasting plant. *Pharm Zentralhalle Dtschl* 1951;90:257.

Klongpanichpak S, Temcharoen P, Toskulkao C, Apibal S, Glinsukon T. Lack of mutagenicity of stevioside and steviol in *Salmonella typhimurium* TA 98 and TA 100. *Journal of the Medical Association of Thailand* 1997; 80(1),S121-S128.

Kobayashi M, Horikawa S, Degrandi IH, Ueno J, Mitsuhashi H. Dulcosides A and B, new diterpene glycosides from *Stevia rebaudiana*. *Phytochemistry* 1977;16:1405-08.

KoBert R. Two sweet tasting drugs. *Ber Pharm Dtsch Ges* 1915;25:162.

Kohda H, Kasai R, Yamasaki K, Murakami K, Tanako O. New sweet diterpene glucosides from *Stevia rebaudiana*. *Phytochemistry* 1976;15:981-83.

Kolb N, Herrera JL, Ferreyra DJ, Uliana RF. Analysis of sweet diterpene glycosides from *Stevia rebaudiana*: Improved HPLC method. *J Agr Food Chem* 2001; 49(10):4538-41.

Komai K, Iwamura J. Effects of stevioside and its related compounds on growth of rice and lettuce seedlings. *Nippon Noyaku Gakkaishi* 1983;8(4):445-50.

Komissarenko NF, Putieva ZM, Saatov Z. Flavonoids of the leaves of *Stevia rebaudiana*. *Chem Nat Comp* 33 4:494-495 (1997) *Rast Resur* 1994;30 1/2:53-64.

Konoshima T and Takasaki M. Cancer-chemopreventive effects of natural sweeteners and related compounds. *Pure and Applied Chemistry* 2002;74:1309-16.

Koyama E, Sakai N, Ohori Y, Kitazawa K, Izawa O, Kakegawa K, Fujino A, Ui M. Absorption and metabolism of glycosidic sweeteners of *Stevia* mixture and their aglycone, steviol, in rats and humans. *Food Chem Toxicol.* 2003;41(6):875-83.

Koyama E, Ohori Y, Kitazawa K, Izawa O, Kakegawa K, Fujino A, Ui M. 2003a. In vitro metabolism of the glycosidic sweeteners, *Stevia* mixture and enzymically modified *Stevia* in human intestinal microflora. *Food and Chemical Toxicology* 2003a;41:359-374.

Kraemer T, Maurer HH. On the metabolism of the sweetener stevioside in humans. *European Journal of Pharmaceutical Sciences* 1994;2:103 [Abstract No. FC12].

Kroyer, GTh, 1999. The low calories sweetener stevioside: stability and interaction with food ingredients. *Lebensmittel, Wissenschaft und Technologie* 1999;32:509-512.

Lailerd N, Saengsirisuwan V, Sloniger JA, Toskulkao C, Henriksen EJ. Effects of stevioside on glucose transport activity in insulin-sensitive and insulin-resistant rat skeletal muscle. *Metabolism* 2004;53(1):101-7.

Lee CN, Wong KL, Liu JC, Chen YJ, Cheng JT, Chan P. Inhibitory effect of stevioside on calcium influx to produce antihypertension. *Planta Med* 2001; 67(9):796-9.

Lee KR, Park JR, Choi BS, Han JS, Oh SL, Yamada Y, Kim KS, Tchai BS. A study on the safety of stevioside as a new sweetening source. *Hanguk Sikpum Kwahakhoe Chi* 1979;11:224-31.

Levy NM, Bracht A and Kelmer-Bracht AM. Effects of Stevia rebaudiana natural products on the mitochondrial L-glutamate dehydrogenase. *Brazilian Archives of Biology and Technology* 1994;37:673-80.

Lewis WH. Notes on economic plants. *Econ Bot* 1992;46(3):336-337.

Lin QX, Cao HX, Xi ED, Li XM, Shang TL, Chen Y, lu RF, Dong L, Wang YW, Qian BG. Pilot Experiment Of Extraction Of Stevioside. *ZHONGGUO YIYUAN GONGYE ZAZHI* 1991;22(9):389-90.

Li Yx, Li YJ. Extraction of stevioside from Stevia rebaudiana – an experimental method for higher yield. *Shih Pin K'o Hsueh (Beijing)* 1983;46:20-22.

Liu JC, Kao PK, Chan P, Hsu YH, Hou CC, Lien GS, Hsieh MH, Chen YJ, Cheng JT. Mechanism of the antihypertensive effect of stevioside in anesthetized dogs. *Pharmacology* 2003;67(1):14-20.

Liu Z. A review of Stevia rebaudiana in China. *Zhonghua Yaoxue Zazhi*. 27(5):259-62.

Logue AW. *Evolutionary Theory and the Psychology of Eating*. Baruch College, City University of New York. October 1998. Accessed at <http://www.globalstevia institute.com/en/Default/ResourceLibrary/Articles/TheRoleofStevia inthe21stCenturyDiet.aspx>. May 16, 2010

Ma J, Ma Z, Wang J, Milne RW, Xu D, Davey AK, Evans AM. Isosteviol reduces plasma glucose levels in the intravenous glucose tolerance test in Zucker diabetic fatty rats. *Diabetes, Obesity and Metabolism* 2007;9:597-99.

Machado S, Dietrich C. Stevia rebaudiana Bert: History. Abstr first Brazilian seminar on Stevia rebaudiana. *Inst Techol Aliment (Campinas) Brazil* 1981;l.1-1.2.

Maier, V, Mermann K, Kienle U. Isolated perfused gut absorption of glucose is inhibited by steviol, a degradation product of the sweetener stevioside. *Diabetes* 2003;52(1):A554 (Abstract No. 2401-PO).

Makapugay HC, Kinghorn AD. High-pressure liquid chromatography of the sweet principles of *Stevia rebaudiana* and *thladiantha grosvenori*. Thesis-MS-Univ Illinois Medical Center 1983:104PP.

Makapugay HC, Nanayakkara NP, Kinghorn AD. Potential sweetening agents of plant origin. Part V. Improved high-performance liquid chromatographic separation of the *Stevia rebaudiana* sweet diterpene glycosides using linear gradient elution. *J Chromatogr* 1984;283:390-5.

Maki KC, Curry LL, McKenney JM, Farmer MV, Reeves MS, Dicklin MR, Gerich JE, Zinmann B. Glycemic and blood pressure responses to acute doses of rebaudioside A, a steviol glycoside, in men and women with normal glucose tolerance or type 2 diabetes mellitus. 2007. The FASEB (Federation of American Societies for Experimental Biology) Journal 351.6.

Maki KC, Curry LL, McKenny JM, Farmer MV, Reeves MS, Dicklin MR, Gerich JE, Zinman B. Glycemic and blood pressure responses to acute doses of rebaudioside A, a steviol glycoside, in men and women with normal glucose tolerance or type 2 diabetes mellitus. 2007. Unpublished report from Provident Clinical Research, Bloomington, IN, USA. Submitted to WHO by Cargill Inc.

Maki KC, Curry LL, Carakostas MC, Tarka SM, Reeves MS, Farmer MV, McKenny JM, Toth PD, Schwartz SL, Lubin BC, Dicklin MR, Boileau AC, Bisognano JD. The hemodynamic effects of rebaudioside A in healthy adults with normal and low-normal blood pressure. *Food Chem Toxicol* 2008a; 46(7)(Suppl. 1), S40–S46.

Maki KC, Curry LL, Reeves MS, Toth PD, McKenney JM, Farmer MV, Schwartz SL, Lubin BC, Boileau AC, Dicklin MR, Carakostas MC, Tarka SM. Chronic consumption of rebaudioside A, a steviol glycoside, in men and women with type 2 diabetes mellitus. *Food Chem Toxicol* 2008 Jul;46 Suppl 7:S47-53.

Maki KC, Curry LL, Carakostas M, Tarka S, Reeves MS, Farmer MV, McKenney JM, Toth PD, Schwartz SL, Lubin BC, Dicklin MR, Boileau A, Bisognano JD. The hemodynamic effects of rebaudioside A in healthy adults with normal and low-normal blood pressure. *Food and Chemical Toxicology* 2008b;46:S40-S465.

Maier V, Hermann K, Kienle U. Isolated perfused gut: absorption of glucose is inhibited by steviol, a degradation product of the sweetener stevioside. *Diabetes* 2003;52(1):A554 [Abstract No. 2401-PO].

Malaisse WJ, Vanonderbergen A, Louchami K, Jijakli H, Malaisse-Lagae F. Effects of artificial sweeteners on insulin release and cationic fluxes in rat pancreatic islets. *Cell Signal* 1998;10(10):727–33.

Marie S. Sweeteners. In: Smith, J, ed. *Food Additive User's Handbook*. Blackie, Glasgow/AVI, New York, 1991: 47-74.

Martelli A, Frattini C, Chialva F. Unusual essential oils with aromatic properties. I. Volatile components of *Stevia rebaudiana* Bertoni. *Flavour Fragrance J* 1985;1(1):3-7.

Matsui M, Matsui K, Kawasaki Y, Oda Y, Noguchi T, Kitagawa Y, Sawada M, Hayashi M, Nohmi T, Yoshihira K, Ishidate M, Sofuni T. Evaluation of the genotoxicity of stevioside and steviol using six in vitro and one in vivo mutagenicity assays. *Mutagenesis* 1996; 11:573-579.

Matsukubo T, Takazoe I. Sucrose substitutes and their role in caries prevention. *Int Dent J* 2006 Jun;56(3):119-30.

Matsuo T, Kanamori H, Sakamoto I. Nonsweet glucosides in the leaves of *Stevia rebaudiana*. *Hiroshima-Ken Eisei Kenkyusho Kenkyu Hokoku* 1986;33:25-29.

Mazzei-Planas G, Kuc J. Contraceptive properties of *Stevia rebaudiana*. *Science* 1968;162:1007.

Medon PJ, Pezzuto JM, Hovanec-Brown JM, Nanayakkara NP, Soejarto DD, Kamath SK, Kinghorn AD. Safety assessment of some *Stevia rebaudiana* sweet principles. *Federal Procedure* 1982;41:1568.

Melis MS, Sainati AR. Participation of prostaglandins in the effect of stevioside on rat renal function and arterial pressure. *Brazilian Journal of Medical and Biological Research* 1991;24:1269-76.

Melis MS, Sainati AR. Effect of calcium and verapamil on renal function of rats during treatment with stevioside. *Journal of Ethnopharmacology* 1991b;33:257-62.

Melis MS. Renal excretion of stevioside in rats. *Journal of Natural Products* 1992a; 55:688-90.

Melis MS. Influence of calcium on the blood pressure and renal effects of stevioside. *Brazilian Journal of Medical and Biological Research* 1992b;25:943-49.

Melis MS. Stevioside effect on renal function of normal and hypertensive rats. *Journal of Ethnopharmacology* 1992c;36:213-17.

Melis MS. Chronic administration of aqueous extract of *Stevia rebaudiana* in rats: Renal effects. *Journal of Ethnopharmacology* 1995;47:129-34.

Melis MS. A crude extract of *Stevia rebaudiana* increases the renal plasma flow of normal and hypertensive rats. *Brazilian Journal of Medical and Biological Research* 1996;29:669-75.

Melis MS. Effect of crude extract of *Stevia rebaudiana* on renal water and electrolytes excretion. *Phytomedicine* 1999; 6(4):247-50.

Melis MS. Effects of chronic administration of *Stevia rebaudiana* on fertility in rats. *Journal of Ethnopharmacology* 1999;167:157-61.

Melis MS, Rocha ST, Augusto A. Steviol effect, a glycoside of *Stevia rebaudiana*, on glucose clearances in rats. *Braz J Biol* 2009 May;69(2):371-4.

Metivier J, Viana AM. Determination of the microgram quantities of stevioside from leaves of *Stevia rebaudiana* by two dimensional thin layer chromatography. *J Exp Bot* 1979; 30:805-10.

Metivier J, Viana AM. The effect of long and short day length upon the growth of whole plants and the level of soluble proteins, sugars, and stevioside in leaves of *Stevia rebaudiana* Bert. *J Exp Bot* 1979;30:1211-22.

Minamisono H, Azuma K. Determination of stevioside. *Kagoshima-Ken Kogyo Shikenjo Nempo* 1978;24:66-8.

Misawa M. Production of natural substances by plant cell cultures described in Japanese patents. *Plant Tissue Culture Its Bio-Technol Appl Int Congr First* 1977;1976:17-26.

Mitsuhashi H, Ueno J, Sumita T, Yakugaku. Studies on the cultivation of *Stevia rebaudiana*. *ZASSHI* 1975;95:127.

Mitsuhashi H, Ueno J, Sumita T. Studies on the cultivation of *Stevia rebaudiana*: determination of stevioside. II. *Yakugaku Zasshi* 1975;95:1501.

Mitsuhashi H. Safety of stevioside. In Tama Biochemical Co. Ltd. Report on Safety of Stevia. 1980. pp. 1-20.

Miyazaki Y, Watanabe H, Watanabe T. The cultivation of *Stevia rebaudiana*. III. Yield and stevioside content of 2-year-old plants. *Eisei Shikensho Hokoku* 1978;96:86-89.

Mizukami H, Shiba K, Ohashi H. Enzymatic determination of stevioside in *Stevia rebaudiana*. *Phytochemistry* 1982;21:1927-1930.

Mizukami H, Shiba K, Inoue S, Ohashi H. Effect of temperature on growth and stevioside formation of *Stevia rebaudiana* Bertoni. *Shoyakugaku Zasshi* 1983;37(2):175-9.

Mizutani K. Use of *Stevia rebaudiana* sweeteners in Japan. *Kinghorn AD Stevia: The genus Stevia*. CRC Press, 2002. Page 178.

Mori N, Sakanoue M, Takeuchi M., Shimpo K, Tanabe T. Effect of stevioside on fertility in rats. *Journal of the Food Hygienic Society of Japan* 1981;22:409-14 (in Japanese).

Morita E. Outlook for *Stevia* natural sweetening agents. *Shokuhin To Kagaku* 1977;19(4):83-87.

Morris JA, Lloyd IA. Sweetening agents from natural sources 1976;39(4):25-38.

Mosettig E, Nes WR. Stevioside. II. The structure of the aglucon. *J Org Chem* 1955;20 :884.

Nabeta K, Kasai T, Sugiwasa H. Phytosterol from the callus of *Stevia rebaudiana*. *Agr Biol Chem* 1976;40:2103.

Nadamitsu S, Segawa M, Sato Y, Kondo K. Effects of stevioside on the frequencies of chromosomal aberrations and sister chromatid exchanges in the D-6 cell of Chinese hamster. *Hiroshima Daigaku Sogo Kagakubu Kiyo* 1985;10, 57-62 [Abstract only].

Nakayama K, Kasahara D, Yamamoto F. Absorption, Distribution, Metabolism and Excretion of Stevioside in Rats. *Journal of the Food Hygienic Society of Japan* 1986;27:1-8.

Nakajima M. Chromosome aberration assay of rebaudioside A in cultured mammalian cells. Test number 5001 (079-085). 2000a. Unpublished report of a study conducted at the Biosafety Research Center, Japan.

Nakajima M. Micronucleus test of rebaudioside A in mice. Test number 5002 (079-086). 2000b. Unpublished report of a study conducted at the Biosafety Research Center, Japan.

Nakamura S, Tamura Y. Variation in the main glycosides of Stevia (*Stevia rebaudiana* Bertoni). *Nettai Nogyo* 1985;29(2):109-15.

Nakamura M, Kodama N, Sataoh N, Nakamura T, Shingo. 2003. Effect of stevioside on the expression of insulin receptor substrate-1 and -2. *Journal of Pharmacological Sciences* 91, 115P [Abstract No. 1P014].

Naphathorn W, Pitiporn S, Hengjittrakul S, Rebaudiana S. *Stevia rebaudiana* (Bertoni M.) Bertoni sweetening principles. Undergraduate Special Project Report, Faculty Of Pharmacy, Mahidol University, Bangkok, Thailand 1982:43.

Naves YR. Volatile plant materials. XXV. Presence of matsutake's alcohol (oct-1-en-3-ol) and 3-menthylcyclohexanol in essential oil of european pennyroyal (*mentha pulegium*). *Helv Chim Acta* 1943;26:1992-2001.

Nepovim A, Drahosova H, Valicek P, Vanek T. The effect of cultivation conditions on the content of stevioside in *Stevia rebaudiana* Bertoni plants cultivated in the Czech Republic. *Pharm Pharmacol Lett* 1998;8(1):19-21.

Nguyen DT. Isolation of stevioside from *Stevia rebaudiana*. *Hoa Hoc Cong Nghiep Hoa Chat* 1996;2:6-9.

Nie H. Determination of steviosides by high performance liquid chromatography. *Sheng Wu hua Hsueh Yu Sheng Wu Wu Li Chin Chan* 1985;64:63-65.

Nikiforov AI, Eapen AK. A 90-day oral (dietary) toxicity study of rebaudioside A in Sprague-Dawley rats. *International Journal of Toxicology* 2008;27:65-80.

Nikolova-Damyanova B, Bankova V, Popov S. Separation and quantitation of stevioside and rebaudioside a in plant extracts by normal-phase high performance liquid chromatography and thin-layer chromatography: A comparison. *Phytochem Anal* 1994;5(2):81-5.

Nishiyama P, Kusumoto IT, Costa SC, Alvarez M, Vieira LG. Correlation between the content of total carbohydrates and stevioside in leaves of *Stevia rebaudiana*. *Arq Biol Tecnol* 1991;34 (3/4):425-34.

Nunes P, Pereira NA. Efeito do Caá-heê (*Stevia rebaudiana*)(Bert) Bertoni sobre a fertilidade de animais experimentais = [The effect of *Stevia rebaudiana* on the fertility of experimental animals]. *Revista Brasileira de Farmacia* 1988;69:46-50.

Nunes AP, Ferreira-Machado SC, Nunes RM, Dantas FJ, De Mattos JC, Caldeira-de-Araújo A. Analysis of genotoxic potentiality of stevioside by comet assay. *Food Chem Toxicol* 2007 Apr;45(4):662-6.

Oh H, Han E, Choi D, Kim J, Eom M, Kang I, Kang H, Ha K. In vitro and in vivo evaluation of genotoxicity of stevioside and steviol, natural sweetener. *Journal of the Pharmaceutical Society of Korea* 1999a;43: 614-622.

Oh HY, Han ES, Sohn SJ, Kim JW, Park CH, Eom MO, Ha KW. Evaluation of the genotoxicity of stevioside and steviol using in vitro mouse lymphoma L5178Y gene mutation assay and in vivo hepatocyte micronucleus assay. *Environmental and Molecular Mutagenesis* 1999b; 33 (33): 48 [Abstract No. 153].

Okamoto H, Yoshida D, Mizusaki S. Inhibition of 12-O-tetradecanoylphorbol-13- acetate-induced induction in Epstein-Barr virus early antigen in Raji cells. *Cancer Letters* 1983;19:47-53.

Okumura M, Fujita Y, Imamura M, Aikawa K. Studies on the safety of stevioside with recassay and reversion test. *Shokuhin Eiseigaku Zasshi* 1978;19:486-90.

Oliveira-Filho RM, Uehara OA, Minett CASA, Valle LBS. Chronic Administration of Aqueous Extract of *Stevia rebaudiana* (Bert.) Bertoni in Rats: Endocrine Effects. *General Pharmacology* 1989;20(2):187-91.

Ong KL, Cheung BM, Man YB, Lau CP, Lam KS. Prevalence, awareness, treatment, and control of hypertension among United States adults 1999–2004. *Hypertension* 2007;49:69–75.

Oshima Y, Saito J, Hikino H. Sterebins E, F, G and H, diterpenoids of *Stevia rebaudiana* leaves. *Phytochemistry* 1988;27(2):624-26.

Oshima Y, Saito JI, Hiniko H. Sterebins A, B, C and D, bisnorditerpenoids of *Stevia rebaudiana* leaves. *Tetrahedron* 1986;42(23):6443-46.

Oviedo CA, Fronciani G, Moreno R, Maas LC. Hypoglycemic action of *Stevia rebaudiana*. *Excerpta Medica* 1970;209:92.

Oviedo CA, Franciani GV, Moreno R, Maas LC. Action hipoglucemiante de la *Stevia rebaudiana* Bertoni. In: Rodriguez RR, Ebling FJG, Henderson I, eds. Seventh Congress of the International Diabetes Federation, Aug 23-28, 1970, Buenos Aires, Argentina. Amsterdam: International Diabetes Foundation (IDF) Excerpta Medica Foundation. (International Congress Series, no. 209) 92-93 [Abstract No. 208].

Pagliosa FM. Brazilian seminar on *Stevia rebaudiana* Bertoni. First Brazilian Seminar on *Stevia Rebaudiana* Inst Tecnol Aliment (Campinas) Brazil June 25-26 1981: VIII1-VIII3.

Pariwat P, Homvisasevongsa S, Muanprasat C, Chatsudthipong V. A natural plant-derived dihydroisosteviol prevents cholera toxin-induced intestinal fluid secretion. *J Pharmacol Exp Ther* 2008 Feb;324(2):798-805.

Pariza MW, Ponakala SV, Gerlat PA, Andress S. Predicting the functionality of direct food additives. *Food Technology* 1998;52:56-60.

Park JE, Cha YS. Stevia rebaudiana Bertonii extract supplementation improves lipid and carnitine profiles in C57BL/6J mice fed a high-fat diet. *J Sci Food Agric* 2010 May;90(7):1099-105.

Parker KJ. Natural high-intensity sweeteners. *Bnf Bull* 1976;16(3,4):240-45.

Pezzuto JM, Nanayakkara ND, Kinghorn AD. Steviol, the aglycone of the commercial sweetening agent stevioside, is mutagenic. *Proceedings of the American Association for Cancer Research Annual Meeting* 24, 1983; 88 [Abstract No. 350].

Pezzuto JM, Compadre CM, Swanson SM, Nanayakkara D, Kinghorn AD. Metabolically activated steviol, the aglycone of stevioside, is mutagenic. *Proceedings of the National Academy of Sciences USA* 1985;82:2478-82.

Pezzuto, JM. Chemistry, metabolism and biological activity of steviol (ent-13hydroxykaur-16-en-19-oic acid), the aglycone of stevioside. 1986. In: Atta-ur-Rahman & Le Quesne, P.W., eds. *New trends in natural products chemistry. Proceedings of the Second International Symposium and Pakistan-U.S.*

Binational Workshop on Natural Products Chemistry, 18–25 January 1986, Karachi, Pakistan. Amsterdam, Netherlands, Elsevier Science Publishing Co., pp. 371–86 (*Studies in Organic Chemistry, Vol. 26*).

Pezzuto JM, Nanayakkara NPD, Compadre CM, Swanson SM, Kinghorn AD, Guenther TM, Sparnins VL, Lam LK. Characterization of bacterial mutagenicity mediated by 13-hydroxy-ent-kaurenoic acid (steviol) and several structurally related derivatives and evaluation of potential to induce glutathione-s-transferase in mice. *Mutat Res* 1986;169:93-103.

Pezzuto JM, Nanayakkara NP, Compadre CM, Swanson SM, Kinghorn AD, Guenther TM, Sparnins VL, Lam LK. Characterization of bacterial mutagenicity mediated by 13-hydroxy-entkaurenoic acid (steviol) and several structurally-related derivatives and evaluation of potential to induce glutathione Stransferase in mice. *Mutation Research* 1986;169:93-103.

Pinheiro CE, Gasparini OT. Effect of stevioside on the glycemic level of diabetic rabbit and on the captation of glucose in vitro by adipose and muscular tissue of the rat. *First Brazilian Seminar On Stevia Rebaudiana Inst Tecnol Aliment (Campinas) Brazil June 25-26 1981: 15.1-15.4.*

Pinheiro CE, Oliveira SS, Da Silva SM, Poletto MI, Pinheiro GJ. Effect of guarana and Stevia rebaudiana Bertonii (leaves) extracts, and stevioside, on the fermentation and synthesis of extracellular insoluble polysaccharides of dental plaque. *Rev Odont Usp* 1987;1(4):9-13.

Planas GM, Kuc J. Contraceptive properties of Stevia rebaudiana. *Science* 1968;162:1007.

Pomaret M and Lavielle R. Le Principe à saveur sucrée du Kaà-he-é (Stevia rebaudiana Bertonii). IV. Quelques propriétés physiologiques du Stéviocide. *Bulletin de Société de Chimie Biologique (Paris)* 1931;13:1248-52.

Procinska E, Bridges BA, Hanson JR. Interpretation of results with the 8-azaguanine resistance system in *Salmonella typhimurium*: No evidence for direct acting mutagenesis by 15-oxosteviol, a possible metabolite of steviol. *Mutagenesis* 1991;6:165-7.

Putieva ZM, Saatov Z. Flavonoids of the leaves of *Stevia rebaudiana*. *Chem Nat Comp* 1997;33(4):194-5.

Rajbhandari A, RoBerts MF. The flavonoids of *Stevia rebaudiana*. *J Nat Prod* 1983;46(2):194-5.

Randi AM, Felipe GM. Substances promoting root growth from the achenes of *Stevia rebaudiana* (Bert.) Bertoni. *Rev Brasil Bot* 1981;4:49-51.

Rasenack P. Sweet substances of *eupatorium rebaudianum* and of licorice. *Arb Kais Biol Anst Land Fortwirtsch* 1908;28:420.

Raskovic A, Gavrilovic M, Jakovljevic V, Sabo J. Glucose concentration in the blood of intact and alloxan-treated mice after pretreatment with commercial preparations of *Stevia rebaudiana* (Bertoni). *Eur J Drug Metab Pharmacokinet* 2004; Apr-Jun;29(2):87-90.

Raskovic A, Jakovljevic V, Mikov M, Gavrilovic M. Joint effect of commercial preparations of *Stevia rebaudiana* Bertoni and sodium monoketocholate on glycemia in mice. *Eur J Drug Metab Pharmacokinet* 2004; Apr-Jun;29(2):83-6.

Raskovic A, Mikov M, Jakovljevic V, Stilinovic N, Posa M, Kuhajda K, Kevresan S. Effects of stevioside and sodium salt of monoketocholic acid on glycemia in rats. *Journal of Hypertension* 2005; 23, (Suppl. 2), S311 [Abstract No. P3.121].

Raskovic A, Jakovljevic V, Mikov M. The influence of commercial preparations of *Stevia rebaudiana* (Bertoni) on glucose metabolism in mice. *Acta Pharmacologica Sinica* 2006;27(1):339-40.

Renwick AG. The use of a sweetener substitution method to predict dietary exposures for the intense sweetener rebaudioside A. *Food and Chemical Toxicology* 2008;46:S61-S69.

Renwick AG, Tarka SM. Microbial hydrolysis of steviol glycosides. *Food Chem Toxicol.* 2008 Jul; 46 Suppl 7:S70-4.

RoBerts A, Renwick AG. Comparative toxicokinetics and metabolism of rebaudioside A, stevioside, and steviol in rats. *Food Chem Toxicol* 2008 Jul;46 Suppl 7:S31-9.

Saenphet K, Aritajat S, Saenphet S, Manosroi J, Manosroi A. Safety evaluation of aqueous extracts from *Aegle marmelos* and *Stevia rebaudiana* on reproduction of female rats. *Southeast Asian J Trop Med Public Health* 2006;37 Suppl 3:203-5.

Sainati AR, Melis MS, Maciel RE. Effects of stevioside and verapamil on renal-function in rats. *Brazilian Journal of Medical Biological Research* 1986;19:A532.

Saitsuga H. Use of steviosides in processed foods. *Jap Fudo Saiensu* 1982;21(7):24-30.

Sakaguchi M, Kan T. Japanese researches on *Stevia rebaudiana* (Bert.) Bertoni and stevioside. *Cienc Cult* 1948; 34:235-48.

Sakai T, Kobashi K, Tsunozuka M, Hattori M, Namba T. Studies on dental caries prevention by traditional chinese medicines (Part VI). On the fluoride contents in crude drugs. *Shoyakugaku Zasshi* 1985; 39(2):165-9.

Sakamoto I, Kohda H, Murakami K, Tanaka O, Yakugaku. Quantitative analysis of stevioside. *Zasshi* 1975;95:1507.

Sakamoto I, Yamasaki K, Tanaka O. Application of ¹³C NMR spectroscopy to chemistry of natural glycosides: rebaudioside-C, a new sweet diterpene glycoside of *Stevia rebaudiana*. *Chem Pharm Bull* 1977;25:844-6.

Sakamoto I. Quantitative determination of *Stevia* glycosides in a soft drink. *Hiroshima-Ken Eisei Kenkyusho Kenkyu Hokoku* 1983;30:11-14.

Sasaki K. Application of *Stevia* sweetener to soft drinks. *New Food Ind* 1983; 25(4):38-43.

Sasaki YF, Kawaguchi S, Kamaya A, Ohshita M, Kabasawa K, Iwama K, Taniguchi K, Tsuda S. The comet assay with 8 mouse organs: results with 39 currently used food additives. *Mutation Research* 2002;519:103-19.

Sholichin M, Yamasaki K, Miyama R, Yahara S, Tanaka O. Labdane-type diterpenes from *Stevia rebaudiana*. *Phytochemistry* 1980;19:326-7.

Schvartzman JB, Krimer DB, Moreno AR. *Stevia rebaudiana* (ka'aa-he'e) and the cell cycle of *Allium cepa*. *Rev Soc Cient* 1975;15:51.

Schvartzman JB, Krimer DB, Moreno AR. Cytological effects of some medicinal plants used in the control of fertility. *Experientia* 1977;33:663.

Sekihashi K, Saitoh H, Sasaki Y. Genotoxicity studies of *Stevia* extract and steviol by the comet assay. *J Toxicol Sci* 2002;27 Suppl 1: 1-8.

Sehar I, Kaul A, Bani S, Pal HC, Saxena AK. Immune up regulatory response of a non-caloric natural sweetener, stevioside. *Chem Biol Interact* 2008 May 28;173(2):115-21.

Seidemann J. Stevioside, an interesting natural sweetening agent. *Nahrung* 1976;20:675.
Seidemann J. Naturally occurring sweetening agents. *Lebensm Ind* 1976;23:553.

Sekihashi K, Saitoh H, Sasaki YF. Genotoxicity studies of *Stevia* extract and steviol by the comet assay. *Journal of Toxicological Sciences* 2002;27:1-8.

Shiotsu S. Fertility study of *Stevia* decoction in rats. *Technical Journal of Food Chemistry and Chemicals* 1996;4: 108-113.

Shiozaki K, Fujii A, Nakano T, Yamaguchi T, Sato M. Inhibitory effects of hot water extract of the Stevia stem on the contractile response of the smooth muscle of the guinea pig ileum. *Biosci Biotechnol Biochem* 2006 Feb;70(2):489-94.

Shirakawa T, Onishi T. Quantitative analysis of stevioside in soy sauce and of vegetable products. *Kagawa-Ken Hakko Shokuhin Shikenjo Hokoku* 1979;71:35-39.

Shukla S, Mehta A, Bajpai VK, Shukla S. In vitro antioxidant activity and total phenolic content of ethanolic leaf extract of *Stevia rebaudiana* Bert. *Food Chem Toxicol* 2009 Sep;47(9):2338-43.

Simonetti P, Gardana C, Bramati L, Pietta PG. Bioavailability of stevioside from *Stevia rebaudiana* in humans: preliminary report. In: Geuns, J.M.C., Buyse, J., eds. "Safety of Stevioside": Proceedings of the First Symposium Sponsored by KULeuven, April 16, 2004, Leuven, Belgium. Heverlee, Belgium: Euprint ed., 51-62.

Sincholle D, Macroelles P. Etude de l'activité anti-androgénique d'un extrait de *Stevia rebaudiana* Bertoni = [The anti-androgenic activity of *Stevia rebaudiana* Bertoni extract]. *Plant Medical Phytotherapy* 1989;23:282-287.

Sinchomi D, Marcorities P. Etude de l'activité anti-androgénique d'un extrait de *Stevia rebaudiana* Bertoni. *Plantes médicinales et phytothérapie* 1989;23(4):282-87.

Soejarto DD, Kinghorn AD, Farnsworth NR. Potential sweetening agents of plant origin. III. Organoleptic evaluation of *Stevia* leaf herbarium specimens for sweetness. *J Nat Prod* 1982;45(5):590-99.

Soejarto DD, Compadre CM, Medon PJ, Kamath SK, Kinghorn AD. Potential sweetening agents of plant origin. 2. Field search for sweet-tasting *Stevia* species. *Econ Bot* 1983;37(1):71-9.

Soejarto DD, Compadre CM, Kinghorn AD. Ethnobotanical notes on *Stevia*. *Bot Mus Leaflet Harv Univ* 1983;29(1):1-25.

Srimaroeng C, Jutabha P, Pritchard JB, Endou H, Chatsudthipong V. Interactions of stevioside and steviol with renal organic anion transporters in S2 cells and mouse renal cortical slices. *Pharmaceutical Research* 2005a;22: 858-66.

Srimaroeng C, Chatsudthipong V, Aslamkhan AG, Pritchard JB. Transport of the natural sweetener stevioside and its aglycone steviol by human organic anion transporter (hOAT1; SLC22A6) and hOAT3 (SLC22A8). *J Pharmacol Exp Ther.* 2005 May;313(2):621-8.

Stamp SL. CC-00201 palatability and toxicity study by dietary administration to Han Wistar rats for 4 weeks. (2006a). Unpublished report No. CNX0005/062478 from Huntingdon Life Sciences, Cambridgeshire, England. Submitted to WHO by Cantox, Mississauga, Ontario, Canada.

Stamp SL. CC-00201 toxicity study by dietary administration to Han Wistar rats for 13 weeks. (2006b) Unpublished report No. CNX0008/063396 from Huntingdon Life Sciences, Cambridgeshire, England. Submitted to WHO by Cantox, Mississauga, Ontario, Canada.

Stamp SL. CC-00201 preliminary palatability study by dietary administration to juvenile Han Wistar rats for 3 weeks. (2007a) Unpublished report No. CNX0006/060045 from Huntingdon Life Sciences, Cambridgeshire, England. Submitted to WHO by Cantox, Mississauga, Ontario, Canada.

Stamp SL. CC-00201 study of reproductive performance in Han Wistar rats treated continuously through two successive generations by dietary administration. (2007b) Unpublished report No. CNX0007/072558 from Huntingdon Life Sciences, Cambridgeshire, England. Submitted to WHO by Cantox, Mississauga, Ontario, Canada.

Starratt AN, Kirby CW, Pocs R, Brandle JE. Rebaudioside F, a diterpene glycoside from *Stevia rebaudiana*. *Phytochemistry* 2002;59(4):367-370.

Striedner J, Gutjahr E, Czygan FC, Braunegg G. Contributions to the biotechnological production of sweeteners from *Stevia rebaudiana* Bertoni. II. Induction of stevioside accumulation in cell cultures by variation of the nutrient medium and the analysis of small amounts of stevioside. *Acta Biotechnol* 1991; 11(5):501-4.

Striedner J, Czygan FC, Braunegg G. Contributions to the biotechnological production of sweeteners from *Stevia rebaudiana* Bertoni, I. A Method for the serial analysis of diterpene glycosides by HPLC. *Acta Biotechnol* 1991;11 (5):495-9.

Suanarunsawat T, Chaiyabutr N. The effect of stevioside on glucose metabolism in the rat. *Canadian Journal of Physiology and Pharmacology* 1997;75:976-82.

Sugisawa H, Kasai T, Suzuki H. The modified quantitative analysis of stevioside. *Nippon Nogei Kagaku Kaishi* 1977;51:175-77.

Sumida T. Reports on *Stevia rebaudiana* introduced from Brazil as a new sweetness resource in Japan. *Hokkaido Agr Exp Sta Bull* 1973;2:69-83.

Suttajit M, Vinitketkaumnue U, Meevatee U, Buddhasukh D. Mutagenicity and human chromosomal effect of stevioside, a sweetener from *Stevia rebaudiana* Bertoni. *Environmental Health Perspectives* 1993;101:53-6.

Suzuki H, Ikeda T, Matsumoto T, Noguchi M. Isolation and identification of rutin from cultured cells of *Stevia rebaudiana*. *Agr Biol Chem* 1976;40:819.

Suzuki H, Kasai T, Sumiara M, Sugisawa H. Influence of oral administration of stevioside on levels of blood glucose and liver glycogen of intact rats. *Nippon Nogeikagaku Kaishi* 1977;51:171-3.

Suzuki H, Kasai T, Sumihara M, Suginawa H. Influence of the oral administration of stevioside on the levels of blood glucose and liver glycogen in intact rats. *Nogyo Kagaku Zasshi* 1977;51(3):45.

Swanson S, Beecher CW. Production of stevioside by *Stevia rebaudiana* shoot cultures. Abstr 28th Annual Meeting Amer Soc Pharmacog July 19-22 1987: Abstr-38.

Takahashi K, Matsuda M, Ohashi K, Taniguchi K, Nakagomi O, Abe Y, Mori S, Sato N, Okutani K, Shigeta S. Analysis of anti-rotavirus activity of extract from *Stevia rebaudiana*. *Antiviral Res* 2001 Jan;49(1):15-24.

Takaki M, De Campos Takaki GM, De Santana Diu MB, De Andrade MSS, Da Silva EC. Antimicrobial activity in leaves extracts of *Stevia rebaudiana* Bert. *Rev Inst Antibiot Univ Fed Pernambuco Recife* 1985;22 1/2:33-9.

Takasaki M, Konoshima T, Kozuka M, Tokuda H, Takayasu J, Nishino H, Miyakoshi M, Mizutani K, Lee KH. Cancer preventive agents. Part 8: Chemopreventive effects of stevioside and related compounds. *Bioorg Med Chem* 2009 Jan 15;17(2):600-5.

Tanaka O. Chemistry of *Stevia rebaudiana* Bertoni, new source of natural sweeteners (abstract). *Ann Rep Nat Prod Res Inst Seoul Natl Univ* 1979;18:146-B.

Tanaka O. Chemistry of *Stevia rebaudiana* Bertoni. New source of natural sweeteners. *Korean J Pharmacog* 1980;11:219-27.

Tanaka O. STEVIOL-GLYCOSIDES: A NEW NATURAL SWEETNERS. *TRENDS ANAL CHEM* 1982;1(11):246-8.

Tanaka T, Kawashima K, Usami M, Sakami K. A teratological study of stevioside administered orally to rats. Unpublished report from Department of Pharmacology, Biological Safety Research Center, National Institute of Hygienic Sciences, Japan. 1991. Submitted to WHO by Ministry of Health and Welfare, Food Chemistry Division, Japan.

Temcharoen P, Klopanichpah S, Glinsukon T, Suwannatrai M, Apibal S, Toskulkao C. Evaluation of the effect of steviol on chromosomal damage using micronucleus test in three laboratory animal species. *Journal of the Medical Association of Thailand* 2000;83: s101-s108.

Temme EH, Vankeirsblick A and Buyse J. A short term study of stevioside in healthy subjects. In: Geuns JMC, Buyse J, eds. "Safety of Stevioside": Proceedings of the First Symposium. Sponsored by KU Leuven, April 16, 2004, Leuven, Belgium. Heverlee, Belgium: Euprint ed, 63-74.

Tennant D. Screening of Colour Intakes from Non-Alcoholic Beverages. Report prepared for the Union of European Beverages Associations (UNESDA), December 2006.

Terai T, Ren H, Mori G, Yamaguchi Y, Hayashi T. Mutagenicity of steviol and its oxidative derivatives in *Salmonella typhimurium* TM677. *Chemical and Pharmaceutical Bulletin* 50, 2002;1007-1010.

Tomita T, Sato N, Arai T, Shiraishi H, Sato M, Takeuchi M, Kamio Y. Bactericidal activity of a fermented hot-water extract from *Stevia rebaudiana* Bertoni towards enterohemorrhagic *Escherichia coli* O157:H7 and other food-borne pathogenic bacteria. *Microbiol Immunol* 1997;41(12):1005-9.

Tomoyoshi E, Yamamoto S, Ikeda T. Degradation of stevioside in raw soy sauce and chemical structure of the degraded product. *Nippon Jozo Kyokaishi* 1991; 86(1):68-74. (Japanese) Abstract only.

Toskulkao C, Deechakawan WV, Temcharoen P, Buddhasukh D, Glinsukon T. Nephrotoxic effects of stevioside and steviol in rat renal cortical slices. *Journal of Clinical Biochemistry and Nutrition* 1994a;16:123-131.

Toskulkao C, Sutheerawattananon M. Effects of stevioside, a natural sweetener, of intestinal glucose absorption in hamsters. *Nutrition Research* 1994b; 14:1711-20.

Toskulkao C, Deechakawan W, Leardkamolkarn V, Glinsukon T, Buddhasukh D. The low calorie natural sweetener stevioside: nephrotoxicity and its relationship to urinary enzyme excretion in the rat. *Phytother Res* 1994a;8:281-6.

Toskulkao C, Sutheerawattananon M, Wanichanon C, Saitongdee P, Suttajit M. Effects of stevioside and steviol on intestinal glucose absorption in hamsters. *Journal of Nutritional Science and Vitaminology* 1995a;41:105-13.

Toskulkao C, Sutheerawattananon M, Piyachaturawat P. Inhibitory effect of steviol, a metabolite of stevioside, on glucose absorption in everted hamster intestine in vitro. *Toxicology Letters* 1995b;80:153-9.

Toskulkao C, Chaturat L, Temcharoen P, Glinsukon T. Acute toxicity of stevioside, a natural sweetener, and its metabolite, steviol, in several animal species. *Drug and Chemical Toxicology* 1997;20:31-44.

Toyoda K, Matsui H, Shoda T, Uneyama C, Takada K, Takahashi M. Assessment of the carcinogenicity of stevioside in F344 rats. *Food and Chemical Toxicology* 1997;35:597-603.

Tsanava VP, Sardzheladze GP, Kharebava LG. Effect of technological procedures on the composition of volatile substances in *Stevia rebaudiana*. *Subtrop Kult* 1991;3:64-70.

Ulbricht C, Isaac R, Milkin T, Poole EA, Rusie E, Grimes Serrano JM, Weissner W, Windsor RC, Woods J. An evidence-based systematic review of *Stevia* by the natural standard research collaboration. *Cardiovasc Hematol Agents Med Chem* 2010 Apr;8(2):113-27.

Usami M, Sakemi K, Kawashima K, Tsuda M, Ohno Y. Teratogenicity study of stevioside in rats. *Bulletin of the National Institute Hygienic Sciences* 1995;113:31-5 [in Japanese].

Valio IF, Rocha RF. Physiological effects of steviol. *Z Pflanzphysiol* 1976;73:90-4.

Vanek T, Nepovim A, Valicek P. Determination of stevioside in plant material and fruit teas. *J Food Compos Anal* 2001;14(4):383-8.

Vasovic V, Vukmirovic S, Posa M, Mikov M, Raskovic A, Jakovljevic V. Effect of rat pre-treatment with aqueous solutions of stevioside and bile acids on the action of certain cardiovascular drugs. *Eur J Drug Metab Pharmacokinet* 2006;31(4):311-14.

Viana AM, Metivier J. Changes in the levels of total soluble proteins and sugars during leaf ontogeny in *Stevia rebaudiana* Bert. *Ann Bot (London)* 1980;45:469-74.

Viana AM. Analysis of Stevia rebaudiana for stevioside during photoperiod of 16 and 8 hours. First Brazilian Seminar on Stevia Rebaudiana Inst Tecnol Aliment (Campinas) Brazil June 25-26 1981:VI.1.

Vignais PV, Duee ED, Vignais PM and Huet J. Effects of atractyligenin and its structural analogues on oxidative phosphorylation and on the translocation of adenine nucleotides in mitochondria. *Biochimica et Biophysica Acta* 1996;118:465-83.

von Schmeling GA, Carvalho FN, Espinoza AD. Stevia rebaudiana Bertoni. Evaluation of the hypoglycemic effect on alloxanized rabbits. *Ciencia e Cultura* 1977;29: 599-601.

Wasuntarawat C, Temcharoen P, Toskulkao C, Mungkornkarn P, Suttajit M, Glinsukon T. Developmental toxicity of steviol, a metabolite of stevioside, in the hamster. *Drug and Chemical Toxicology* 1998;21:207-22.

Wei Y. A new method for the determination of total glycosides in Stevia rebaudiana. Shih P'in K'o Hsueh(Beijing) 1983;43:25-7.

Welsh JA, Sharma A, Abramson JL, Vaccarino V, Gillespie C, Vos MB. Caloric sweetener consumption and dyslipidemia among US adults. *JAMA*. 2010 Apr 21;303(15):1490-7.

Wheeler A. Clinical study report for effects of chronic consumption of rebaudioside A on glucose homeostasis in men and women with type-2 diabetes mellitus. (2007a). Unpublished study from Provident Clinical Research and Consulting, Glen Ellyn, IL, USA. Submitted to WHO by Cargill Inc., Wayzata, MN, USA.

Wheeler A, Boileau AC, Winkler PC, Compton JC, Prakash I, Jiang X, Mandarino DA. Pharmacokinetics of rebaudioside A and stevioside after single oral doses in healthy men. *Food Chem Toxicol*. 2008 Jul;46 Suppl 7:S54-60.

White JR, Kramer J, Campbell RK, Bernstein R. Oral use of a topical preparation containing an extract of Stevia rebaudiana and the chrysanthemum flower in the management of hyperglycemia. *Diabetes Care* 1994;17(8):940.

Williams LD, Burdock GA. Genotoxicity studies on a high-purity rebaudioside A preparation. *Food Chem Toxicol*. 2009 Aug;47(8):1831-6.

Williams, GM. Letter to the editor. *Food Chem Toxicol* 2007;45:2597-8.

Wingard RE, Brown JP, Enderlin FE, Dale JA, Hale RL, Seitz CT. Intestinal degradation and absorption of the glycosidic sweeteners stevioside and rebaudioside *Experientia* 1980;36:519-20.

Wong KL, Chan P, Yang HY, Hsu FL, Liu IM, Cheng YW, Cheng JT. Isosteviol acts on potassium channels to relax isolated aortic strips of Wistar rat. *Life Sci* 2004a;24:2379-87.

Wong KL, Yang HY, Chan P, Cheng TH, Liu JC, Hsu FL, Liu IM, Cheng YW, Cheng JT. Isosteviol as a potassium channel opener to lower intracellular calcium concentrations in cultured aortic smooth muscle cells. *Planta Med* 2004b;70:108-12.

Wong KL, Lin JW, Liu JC, Yang HY, Kao PF, Chen CH, Loh SH, Chiu WT, Cheng TH, Lin JG, Hong HJ. Antiproliferative effect of isosteviol on angiotensin-II-treated rat aortic smooth muscle cells. *Pharmacology* 2006;76(4):163-9.

Wood DJ, Lirette A, Crober DC, Ju HY. The effect of Stevia as a feed sweetener on weight gain and feed consumption of broiler chicken. *Canadian Journal of Animal Sciences* 1996;76:267-9.

Xiao J, Hermansen K. The mechanism underlying the insulintropic effect of steviosideactivation of acetyl-CoA carboxylase. *Diabetes* 2005;54(1):A131 [Abstract No. 532P].

Xiao J, Kjeld H, Jeppesen PB. The insulintropic effect of stevioside is mediated via activation of acetyl-CoA carboxylase. *Diabetes* 2005;54(1):A132 [Abstract No. 536P].

Xie SP, Ouyang XZ, Hong WL, Chen MC, Wang DY. The growth and differentiation of callus cultures of *Stevia rebaudiana* in relation to the stevioside accumulation. *Redai Yaredai Zhiwu Xuebao* 1998;6(1):8-14.

Xili L, Chengjiany B, Eryi X, Reiming S, Yuengming W, Haodong S, Zhiyian H. Chronic oral toxicity and carcinogenicity study of stevioside in rats. *Food and Chemical Toxicology* 1992;30:957-65.

Xu D, Li Y, Wang J, Davey AK, Zhang S, Evans AM. The cardioprotective effect of isosteviol on rats with heart ischemia–reperfusion injury. *Life Sci* 2007;80:269-74.

Xu D, Du W, Zhao L, Davey AK, Wang J. The neuroprotective effects of isosteviol against focal cerebral ischemia injury induced by middle cerebral artery occlusion in rats. *Planta Med* 2008 Jun;74(8):816-21.

Yamada A, Ohgaki S, Noda T, Shimizu M. Chronic toxicity of dietary Stevia Extracts. *Journal of the Food Hygienic Society of Japan* 1985;26(2):169-83.

Yamamoto NS, Kelmer Bracht AM, Ishii EL, Kimmelmeier FS, Alvarez M, Bracht A. Effect of steviol and its structural analogues on glucose production and oxygen uptake in rat renal tubules. *Experientia* 1985;41:55-7.

Yamazaki T, Flores HE, Shimomura K, Yoshihira K. Examination of steviol glucosides production by hairy root and shoot cultures of *Stevia rebaudiana*. *J Nat Prod* 1991;54(4):986-92.

Yang PS, Lee JJ, Tsao CW, Wu HT, Cheng JT. Stimulatory effect of stevioside on peripheral mu opioid receptors in animals. *Neurosci Lett* 2009 Apr 17;454(1):72-5.

Yasukawa AK, Yamaguchii A, Arita J, Sakurai S, Ikeda A, Takido M. Inhibitory effect of edible plant extracts on 12-O-Tetradecanoylphorbol-13-Acetate-Induced ear oedema in mice. *Phytother Res* 1993;7(2):185-9.

Yasukawa K, Kitanaka S, Seo S. Inhibitory effect of stevioside on tumor promotion by 12-O-tetradecanoylphorbol-13-acetate in two-stage carcinogenesis in mouse skin. *Biol Pharm Bull* 2002 Nov;25(11):1488-90.

Yodyingyuad V, Bunyawong S. Effect of stevioside on growth and reproduction. *Human Reproduction* 1991;6(1): 158-65.

Yoshida S. Production of sweet substances in *Stevia rebaudiana*. I. Simple determination of sweet glucosides in *Stevia* plant with a thin layer chromatography-scanner and their accumulation patterns with plant growth. *Nippon Sakumotsu Gakkai Kiji* 1986;55(2):189-95.

Zaidan LB, Dietrich, SMC, Felipe GM. Effect of photoperiod on flowering and stevioside content in plants of *Stevia rebaudiana* Bertoni. *Jap J Crop Sci* 1980;49:560-74.

Zan FS. Method of extraction and purification of stevioside from *Stevia rebaudiana*. *Hua Hsueh Chih Ji* 1986;27(1): 31-3.

Zanela NL, Bijella MF, Rosa OP. The influence of mouthrinses with antimicrobial solutions on the inhibition of dental plaque and on the levels of mutans streptococci in children. *Pesqui Odontol Bras* 2002 Apr-Jun;16(2):101-6.

Zhou R, Ran Z, Li Q, Zi X, Rong YX, Li R. Ion exchange methods in extraction and purification of steviosides from *Stevia rebaudiana*. *Zhongguo Tiaweipin* 1984;12:12-13.

Zhuang JX, Chen J. Isolation of natural sweeteners-steviosides. *Tiaowei Fushipin Keji* 1984;11:19-20.

Patents

Anon. Anticavity Sweetener Composition. Patent-Japan Kokai Tokkyo Koho-58 31,961: 5pp (1983)

Anon. Purification Of Stevia Sweeteners. Patent-Japan Kokai Tokkyo Koho-59 42,862: 4pp (1984)

Anon. Stevia Sweetener Analysis. Patent-Japan Kokai Tokkyo Koho-58 187,857: 3pp (1983)

Anon. Modification of Stevia Sweetener. Patent-Japan Tokkyo Koho-59 51,257:4pp (1984)

Anon. Extraction and Purification of Stevioside. Patent-Japan Kokai Tokkyo Koho-80 81,567: 10pp (1980)

Anon. Decolorization of Stevia Extract. Patent-Japan Kokai Tokkyo Koho-80 111,768: 4pp (1980)

Anon. Clarification of Stevia Alcohol Extract. Patent-Japan Kokai Tokkyo Koho-80 159,770: 7pp (1980)

Anon. Purification of Stevioside. Patent-Japan Kokai Tokkyo Koho-80 92,400: 2pp (1980)

Anon. Purification of Stevioside Sweetener. Patent-Japan Kokai Tokkyo Koho-80 138,372: 3pp (1980)

- Anon. Stevioside Extraction of Stevia Rebaudiana. Patent-Japan Tokkyo Koho-80 40, 596: 3pp (1980)
- Anon. Stevia Components as Sweetening Agents and Antibiotics. Patent-Japan Kokai Tokkyo Koho-80 92,323: 4pp (1980)
- Anon. Purification of Stevioside Sweeteners. Patent-Japan Kokai Tokkyo Koho-81 160,962: 4pp (1981)
- Anon. Extraction and Purification of Stevioside. Patent-Japan Kokai Tokkyo Koho-82 05,663: 8pp (1982)
- Anon. Quick Purification of Stevia Sweetener. Patent-Japan Kokai Tokkyo Koho-82 02,656: 4pp (1982)
- Anon. Stevioside. Patent-Japan Kokai Tokkyo Koho-82 46,998: 3pp(1982)
- Anon. Low Calorie Sweetening Agents. Patent-Japan Kokai Tokkyo Koho-82 125,699: 3pp (1982)
- Anon. Soft Drink Raw Material from Stevia Rebaudiana Extract. Patent-Japan Kokai Tokkyo Koho-82 33,024: 3pp (1982)
- Anon. Stevioside Purification. Patent-Japan Kokai Tokkyo Koho-82 75,992: 4pp (1982)
- Anon. Separation of Stevioside and Rebaudioside A from Stevia Rebaudiana Extract. Patent-Japan Kokai Tokkyo Koho-82 86,264: 4pp (1982)
- Anon. Stevia Extracts as Plant Growth Stimulators. Patent-Japan Kokai Tokkyo Koho-57 183,705: 4pp (1982)
- Anon. Purification of Stevioside Extract. Patent-Japan Kokai Tokkyo Koho-58 28,247: 3pp (1983)
- Anon. Stevioside Sweetner Purification. Patent-Japan Kokai Tokkyo Koho-58 28,246: 3pp (1983)
- Asano K, Tomomatsu S, Kawasaki M. Extraction of Stevioside. Patent-Japan Kokai-75 88,100 (1975)
- Bernard C. Raphael I, Vera W. Extraction of Diterpene Glycosides from Stevia Rebaudiana. Patent-Israeli IL-81,351: 12pp (1990)
- Dobberstein RH, Ahmed MS. Extraction, Separation and Recovery of Diterpene Glycosides from Stevia Rebaudiana Plant. Patent-US-4,361,697: 8pp (1982)
- Dozono F. Stevia Extract-Containing Medicine. US Patent #5,262,161 (1993)
- Fujita H, Edahiro T. Mouth Feel Improvement of Soft Drinks with Stevia Sweetner. Patent-Japan Kokai Tokkyo Koho-80 13,017: 3pp (1980)
- Haga T, Ise R, Kobayashi A. Purification of Stevioside. Patent-Japan Kokai-76 149,300 (1976)
- Hashimoto Y. Determination of Stevioside and Rebaudioside A. Patent-Japan Kokai Tokkyo Koho-79 09,991 (1979)

Hatake S, Fujita A, Shikata T, Watanabe K. Triploidy Stevia Rebaudiana Bertoni Rich in Rebaudioside A and its Preparation. Patent-Japan Kokai Tokkyo Koho-10 113,086: 4pp (1998)

Igoshi M, Kato H. Purification of Stevioside. Patent-Japan Kokai-76 52,200 (1976)

Ise R, Harada I. Stevia Sweetening Agent Preparation. Patent-Japan Kokai Tokkyo Koho-79 132,599: 5pp (1979)

Ishizone H. Separation and Purification of Stevioside. Patent-Japan Kokai Tokkyo Koho-79 12,400 (1979)

Itagaki K, Ito T. Regeneration of Synthetic Resin Adsorbent for Stevioside Purification. Patent-Japan Kokai Tokkyo Koho-79 78,388: 5pp (1979)

Kagaku M. Modification of Stevia Sweetener. Patent-Japan Tokkyo Koho-59 51,257: 4pp (1984)

Kato R, Sakaguchi Y, Motoi N. Extraction and Purification of Stevioside. Patent-Japan Kokai-77 136,200 (1977)

Kikuchi H, Sawaguchi Y. Stevioside. Patent-Japan Kokai-77 57,199 (1977)

Kiumi M, Nakazawa T, Sasaki S, Fukumura T. Stevioside Production. Patent-Japan Kokai-77 100,500 (1977)

Kobayashi M, Horikawa H, Ueno J, Mitsuhashi H, Kubomura S, Miyazaki K, Chida S. New Sweetener from Stevia Rebaudiana. Patent-Japan Kokai Tokkyo Koho-78 113,065 (1978)

Koda H, Fujioka N, Yamasaki K, Miyagawa H, Tanaka R, Taniguchi K. Vegetative Propagation of Stevia. Patent-Geroffen-3,520,727: 13pp (1986)

Komatsu K, Nozaki W, Takemura M, Nakaminami M. Production of Natural Sweetener. Patent-Japan Kokai-76 19,169 (1976)

Kotani C. Steviosides. Patent-Japan Kokai Tokkyo Koho-80 19,009: 3pp (1980)

Kubomura S, Ueno J, Chida S, Kanaeda J. Purification of Stevioside. Patent-Japan Kokai-76 91,300 (1975)

Kukuchi H, Suguri N. Stevioside-Waste Sweetener. Patent-Japan Kokai-77 47,959 (1977)

Kuroda A, Kamiyama S. Stevia Leaf Extract Purification. Patent-Japan Kokai Tokkyo Koho-79 76,600: 3pp (1979)

Masuyama F. Stevioside Sweetener Purification from Stevia Rebaudiana Leaves. Patent-Japan Kokai Tokkyo Koho-80 07,039: 3pp (1980)

Minamitani T, Nishi Y. Extracts of Rebaudioside A From Stevia Rebaudiana. Patent-Japan Kokai Tokkyo Koho-06 192,283: 8pp (1994)

Miyamori S, Sasaki S, Fukumura T. Purification of Stevioside. Patent-Japan Kokai Tokkyo Koho-79 20,000 (1979)

Miyata T, Sawaguchi Y, Aikawa M. Patent-Japan Kokai Tokkyo Koho-03 262,458: 9pp (1991)

Miwa K. Extraction and Purification of Plant Components. Patent-Japan Kokai Tokkyo Koho-78 105,500 (1978)

Miwa K, Maeda S, Murata Y. Purification of Stevioside. Patent-Japan Kokai Tokkyo Koho-79 90,199 (1979)

Miw Ak, Tsuji H. Purification of Sweetening Agents from Plant Extracts. Patent-Japan Kokai Tokkyo Koho-79 90,200: 3pp (1979)

Miw Ak, Maeda S, Murata Y. Purification of Stevioside. Patent-Japan Kokai Tokkyo Koho-79 90,199: 4pp (1979)

Miw Ak, Maeda S, Murata Y. Stevia Sweetener Purification by Electrolysis. Patent-Japan Kokai Tokkyo Koho-79 89,066: 5pp (1979)

Mizufune S, Uda Y, Ikeda M. Extraction of Stevioside as a Sweetener from Plants. Patent-Japan Tokkyo Koho-62 56,158: 4pp (1987)

Mochida K, Ikura K, Kimura R, Ikehara K. Stevioside Extraction. Patent-Japan Kokai-77 53,889 (1977)

Mochida K, Ikura K, Kimura R, Ikehara K. Stevioside Extraction. Patent-Japan Kokai-77 53,900 (1977)

Morita, E. Improvement of Stevioside Sweetener. Patent-Japan Kokai-77 117,474: 4pp (1977)

Morita E. Stevia Glycoside Sweetener. Patent-Japan Kokai-77 102,469: 3pp (1977)

Morita E. Taste Improvement of Licorice Sweetener with Stevia Glycoside A3. Patent-Japan Kokai-78 59,074 (1978)

Morita T, Fujita I, Iwamura J. Sweetener from Stevia Rebaudiana. Patent-Japan-77 27,226: 8pp (1977)

Morita T, Fujita M, Morita E. Stevioside Sweetener Composition. Patent-Japan Kokai-77 105,260: 6pp (1977)

Morita T, Morita E, Fujita I. Improvement of Flavor and Sweetness of Stevioside. Patent-Japan Kokai-77 57, 36: 12pp (1977)

Morita T, Fujita I, Iwamura J. Sweetening Compound, Method of Recovery, and Use Thereof. Patent-US-4,082,858: 5pp (1978)

Morita T, Iwamura J. Stevia Sweetening Agent. Patent-Japan Kokai-77 83,980: 4pp (1977)

Morita T, Isamu T, Kashihara F, Yao Ji. Sweetening Compound, Method of Recovery and Use Thereof. Patent-US-4,082,858: 5pp (1978) (USA)

Nguyen NS, Hatake S, Fujita A, Shikata T, Watanabe K. Triploidy Stevia Rebaudiana Bertoni Rich in Rebaudioside A and its Preparation. Patent-Japan Kokai Tokkyo Koho-10 113,086: 4pp (1998)

Ochi T, Shimizu T. Stevia Sweetener Improvement. Patent-Japan Kokai Tokkyo Koho-78 148,575 (1978)

Ogawa S. Stevioside Purification. Patent-Japan Kokai Tokkyo Koho-79 73,158: 4pp (1979)

Payzant Jd, Laidler Jk, Ippolito Rm. Extraction of Sweet Glycosides from Stevia Rebaudiana by Using Ion-Exchange Columns. Patent-US-5,962,678: 6pp (1999)

Persinos Gj. Method of Producing Stevioside. Patent-US-3,723,410: 4pp (1973)

Sasaki K, Murakami K. Improvement of Taste of Artificial Sweetener with Waste from Stevioside Manufacture. Patent-Japan Kokai-77 47,960 (1977)

Sato T, Kuroda J, Mihara K. Stevioside Purification. Patent-Japan Kokai Tokkyo Koho-80 39,732: 8pp (1980)

Sawaguchi Y, Kikuchi H. Purification of Stevioside. Patent-Japan Kokai-77 05,800 (1977)

Suzuki K, Shimoda Z, Sasaki H. Crystallization and Separation of Rebaudioside A. Patent-Japan Kokai-77 62,300 (1977)

Suzuki, K, Shimoda Z, Sasaki H. Stevia Sweetening Agent Purification. Patent-Japan Kokai-78 13,700 (1978)

Tanaka O, Yamazaki K, Kasai R, Koda H. Patent-Japan Kokai-77 41,275 (1977)

Tanaka O, Yamazaki K, Sasai R, Kanda H. Rebaudiosides. Patent-Japan Kokai-77 83,731: 9pp (1977)

Tanaka O, Yamasaki K, Kasai R, Kaneda H. Rebaudioside A Derivative. Patent-Japan Tokkyo Koho-79 46,769: 6pp (1979)

Takamura K, Kawaguchi M, Isono C. Patent-Japan Kokai-77 51,069 (1977)

Takamura K, Kawaguchi M, Isono C. Stevioside Isolation. Patent-Japan Kokai-78 91,173 (1978)

Tomomatsu S, Kawasaki M. Extraction of Stevioside. Patent-Japan Kokai-75 88,100 (1975)

Uenishi H, Haga T, Kobayashi A. Sweet Component from Stevia Leaves. Patent-Japan Kokai-77 23,100 (1975)

Wakabayashi T. Purification of Stevioside Extracts. Patent-Braz Pedido-81 03,228: 6pp (1981)

Yamada S, Kajima S. Pure Stevioside Production. Patent-Japan Kokai Tokkyo Koho-80 162,953: 3pp (1980)

Additional Resources

Agromídia Software. Plantas Medicinais (CD-Rom). São Paulo, Brazil, 2002.

Almeida DE. Plantas Medicinais Brasileiras, Conhecimentos Populares E Cientificos. ER São Paulo: Hemus Editora Ltda, 1993.

Beckstrom-Sternberg SM, Duke JA, Wain KK. "The Ethnobotany Database." (Acedb Version 4.3data Version July 1994). National Germplasm Resources Laboratory (NGRL), Agricultural Research Service (ARS), U.S. Department Of Agriculture.

Bernardes A. A Pocketbook Of Brazilian Herbs. Rio De Janeiro: A Shogun Editora E Arta Ltda, 1984.

Czepanski C. Testing Of Selected Plants For Antifertility Activity. Personal Communication 1977.

De Sousa MP, Matos FJ, et al. Constituintes Quimicos Ativos De Planta Medicinais Brasileiras. Fortaleza, Brazil: Laboratorio De Produtos Naturais, 1991.

Dicionario Das Plantas Uteis Do Brazil, 5th Ed. Cruz GL. Rio De Janeiro: Bertrand, 1995.

Easterling J. Traditional Uses Of Rainforest Botanicals. 1993.

Gruenw AL, et al. Ed PDR For Herbal Medicines. 2nd Ed. Montvale, New Jersey. Medical Economics Co. 2000.

Leung A, Foster S. Encyclopedia Of Common Natural Ingredients. New York: John Wiley & Sons, 1996.

Mintel International Group Limited. Stevia and Other Natural Sweeteners, August 2009.

Monograph: Stevia Rebaudiana. www.Phytotherapies.Org Accessed 4/14/2003.

Panizza S, De Mato C. Plantas Que Curam: 11th Ed. São Paulo, Brazil: Ibrasa, 1997.

Schwontkowski, D. Herbs Of The Amazon: Traditional And Common Uses. Utah: Science Student Braintrust Publishing, 1993.

Stevia Rebaudiana. Brazilian Plants. Hashimoto, Goro: [Http://www.Brazilian-Plants.Com/En/Search.Cfm](http://www.Brazilian-Plants.Com/En/Search.Cfm). Accessed 4/14/2003.

World Perservation Society. Powerful And Unusual Herbs From The Amazon And China. Gainesville, FL: The World Preservation Society, Inc., 1993.