



LKT Laboratories, Inc.

Rebaudioside A

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Product Information

Product ID R162041

CAS No. 58543-16-1

Chemical Name [(2S,3R,4S,5S,6R)-3,4,5-trihydroxy-6-(hydroxymethyl)oxan-2-yl] (1R,4S,5R,9S,10R,13S)-13-[(2S,3R,4S,5R,6R)-5-hydroxy-6-(hydroxymethyl)-3,4-bis[(2S,3R,4S,5S,6R)-3,4,5-trihydroxy-6-

Synonym Rebaudiana A, Stevioside A3, Truvia

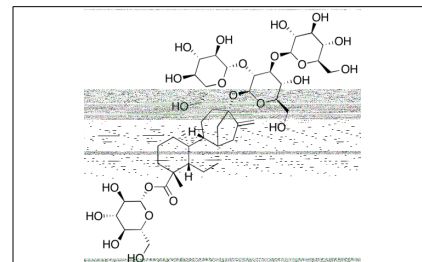
Formula C₄₄H₇₀O₂₃

Formula Wt. 967.02

Melting Point 242-244

Purity ≥98%

Solubility



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
R162041	100 mg	\$140.20
R162041	250 mg	\$300.40

Store Temp -20°C

Ship Temp Ambient

Description Rebaudioside A is a steviol glycoside found in stevia leaves and used as a high-potency sucrose substitute. Rebaudioside A has been found to stimulate the release of gut peptides and enhance enteroendocrine cell differentiation in mouse small intestine organoids. Experimental determination showed that long-term treatment of C57BL6/J mice with rebaudioside A did not increase weight gain, alter insulin action, or disrupt circadian rhythms. Furthermore, chemically induced epilepsy in rats showed a dose-dependent decrease in spiking in epileptiform activity in the rats treated with rebaudioside A.

References Gallo M, Vitulano M, Andolfi A, et al. Rapid solid-liquid dynamic extraction (RSLDE): a new rapid and greener method for extracting two steviol glycosides (stevioside and rebaudioside A) from stevia leaves. *Plant Foods Hum Nutr.* 2017 Jun;72(2):141-148. PMID: 28108883.

van der Wielen N, Ten Klooster JP, Muckenschnabl S, et al. The noncaloric sweetener rebaudioside A stimulates glucagon-like peptide 1 release and increases enteroendocrine cell numbers in 2-dimensional mouse organoids derived from different locations of the intestine. *J Nutr.* 2016 Dec;146(12):2429-2435. PMID: 27798332.

Reynolds TH, Soriano RA, Obadi OA, et al. Long term rebaudioside A treatment does not alter circadian activity rhythms, adiposity, or insulin action in male mice. *PLoS One.* 2017 May 5;12(5):e0177138. PMID: 28475596.

Uyanikgil Y, Cavusoglu T, Balcioglu HA, et al. Rebaudioside A inhibits pentylenetetrazol-induced convulsions in rats. *Kaohsiung J Med Sci.* 2016 Sep;32(9):446-451. PMID: 27638403.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.