



LKT Laboratories, Inc.

Mogroside V

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Product Information

Product ID M568270

CAS No. 88901-36-4

Chemical Name Mogrol-3-O-(beta-D-glucopyranosyl (1-6)-beta-D-glucopyranoside)-24-O-((beta-D-glucopyranosyl (1-2))- (beta-D-glucopyranosyl(1-6))-beta-D-glucopyranoside)

Synonym Mogrol-3-O-(beta-D-glucopyranosyl (1-6)-beta-D-glucopyranoside)-24-O-((beta-D-glucopyranosyl (1-2))- (beta-D-glucopyranosyl(1-6))-beta-D-glucopyranoside); mogroside-V

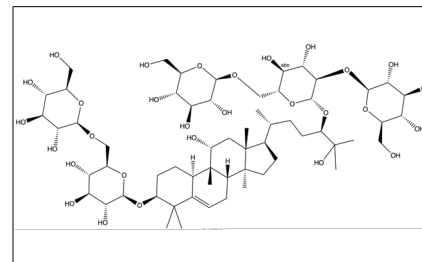
Formula C₆₀H₁₀₂O₂₉

Formula Wt. 1287.4

Melting Point

Purity ≥98%

Solubility



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
M568270	5 mg	\$120.20
M568270	25 mg	\$342.50
M568270	100 mg	\$1051.60

Store Temp 4°C

Ship Temp Ambient

Description Mogroside V is a triterpenoid isolated from the traditional Chinese medicinal plant *Siraitia grosvenorii*. Because of its intense sweetness, mogroside V is commonly used as a natural sweetener. It inhibits pancreatic tumor growth in *in vitro* and *in vivo* tumor models. It promotes apoptosis and cell cycle arrest of pancreatic cancer cells (pANC-1 cells). It was also found to inhibit angiogenesis and reduce vascular density in tumor growth. It has potent anti-inflammatory activity by inhibiting LPS-induced COX-2 expression/ROS production and overexpression of HO-1 by blocking phosphorylation of KT1 in RAW264.7 cells.

References C Liu, L-H Dai, D-Q Dou., et al. A natural food sweetener with anti-pancreatic cancer properties. *Oncogenesis*. 2016, 5(4). PMID: 27065453 DOI: 10.1038/oncsis.2016.28.

Yong Li, Luyan Zou, Tao Li. et.al. Mogroside V inhibits LPS-induced COX-2 expression/ROS production and overexpression of HO-1 by blocking phosphorylation of AKT1 in RAW264.7 cells. *Acta Biochim Biophys Sin (Shanghai)*. 2019 ;51(4):365-374. PMID: 30877761 DOI:10.1093/abbs/gmz014.

Xiao R, Liao W, Luo G, et al. Modulation of gut microbiota composition and short-chain fatty acid synthesis by mogroside V in an *in vitro* incubation system. *ACS Omega*. 2021 Sep 21;6(39):25486-25496. PMID: 34632206.

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