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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
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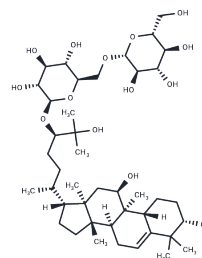
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Mogroside IIA1

Chemical Properties

CAS No. :	88901-44-4
Formula:	C ₄₂ H ₇₂ O ₁₄
Molecular Weight:	801.01
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Mogroside IIA1 (Mogroside II-A1) is isolated from the fruits of <i>Siraitia grosvenorii</i> . Mogroside IIA1 is a nonsugar sweetener and sweeter than sucrose. Mogroside IIA1 possesses antioxidant, antidiabetic and anticancer activities.
Targets(IC50)	NO Synthase
In vitro	Mogroside II-A1 exhibits inhibitory effects with IC ₅₀ values of 346-400 mol ratio/32 pmol TPA. Mogroside II-A1 showed weak inhibitory effects on activation of (+/-)-(E)-methyl-2-[(E)-hydroxyimino]-5-nitro-6-methoxy-3-hexamide (NOR 1), a nitric oxide (NO) donor[1].

Solubility Information

Solubility	DMSO: 95 mg/mL (118.60 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2484 mL	6.2421 mL	12.4842 mL
5 mM	0.2497 mL	1.2484 mL	2.4968 mL
10 mM	0.1248 mL	0.6242 mL	1.2484 mL
50 mM	0.025 mL	0.1248 mL	0.2497 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Cucurbitane glycosides from the fruits of *Siraitia gros venorii* and their inhibitory effects on Epstein-Barr virus activation. *J Nat Prod.* 2007 May;70(5):783-8.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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