

mogroside IVE

Chemical Properties

CAS No.:	88915-64-4
Formula:	C ₅₄ H ₉₂ O ₂₄
Molecular Weight:	1125.3
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	Mogroside IV-E is a triterpenoid glycoside isolated from the extracts of Luo Han Guo. Mogrosides exhibit antidiabetic, antioxidant and anticancer activities.
Targets(IC ₅₀)	Antioxidant: None

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.889 mL	4.443 mL	8.887 mL
5 mM	0.178 mL	0.889 mL	1.777 mL
10 mM	0.089 mL	0.444 mL	0.889 mL
50 mM	0.018 mL	0.089 mL	0.178 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Itkin M, et al. The biosynthetic pathway of the nonsugar, high-intensity sweetener mogroside V from *Siraitia grosvenorii*. *Proc Natl Acad Sci U S A*. 2016 Nov 22;113(47):E7619-E7628.

Inhibitors · Natural Compounds · Compound Libraries

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