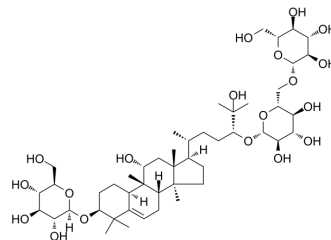


Mogroside III

Cat. No.:	HY-N0500
CAS No.:	130567-83-8
Molecular Formula:	C ₄₈ H ₈₂ O ₁₉
Molecular Weight:	963.15
Target:	Others
Pathway:	Others
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (103.83 mM; Need ultrasonic)
H₂O : 100 mg/mL (103.83 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
	1 mM		1.0383 mL	5.1913 mL	10.3826 mL
	5 mM		0.2077 mL	1.0383 mL	2.0765 mL
	10 mM		0.1038 mL	0.5191 mL	1.0383 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (2.60 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (2.60 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (2.60 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Mogroside III is a triterpenoid glycoside and a nonsugar sweetener. Mogrosides are sweeter than sucrose. Mogrosides exhibit antioxidant, antidiabetic and anticancer activities^[1].

REFERENCES

- [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

Caution: Product has not been fully validated for medical applications. For research use only.

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