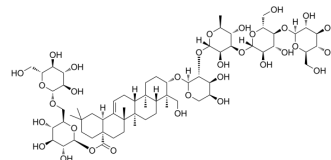


Macranthoidin B

Cat. No.:	HY-N0864
CAS No.:	136849-88-2
Molecular Formula:	C ₆₅ H ₁₀₆ O ₃₂
Molecular Weight:	1399.52
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

H₂O : 100 mg/mL (71.45 mM; Need ultrasonic)
DMSO : 100 mg/mL (71.45 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	0.7145 mL	3.5727 mL	7.1453 mL
	5 mM	0.1429 mL	0.7145 mL	1.4291 mL
	10 mM	0.0715 mL	0.3573 mL	0.7145 mL

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

In Vivo

- Add each solvent one by one: PBS
Solubility: 100 mg/mL (71.45 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (1.79 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (1.79 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (1.79 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Macranthoidin B is a major bioactive saponin in rat plasma after oral administration of extraction of saponins from Flos Lonicerae.

REFERENCES

[1]. Chen CY, et al. Liquid chromatography-mass spectrometry analysis of macranthoidin B, macranthoidin A, dipsacoside B, and macranthoside B in rat plasma for the pharmacokinetic investigation. J Chromatogr B Analyt Technol Biomed Life Sci. 2009 Jan 15;877(3):159-65.

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

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