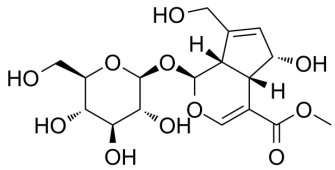
Methyl deacetylasperulosidate

Cat. No.:	HY-N1503		
CAS No.:	52613-28-2		
Molecular Formula:	$C_{17}H_{24}O_{11}$		
Molecular Weight:	404.37		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (247.30 mM; ultrasonic and warming and heat to 60°C)

Preparing Stock Solutions	Mass / Solvent / Concentration	1 mg	5 mg	10 mg
	1 mM	2.4730 mL	12.3649 mL	24.7298 mL
	5 mM	0.4946 mL	2.4730 mL	4.9460 mL
	10 mM	0.2473 mL	1.2365 mL	2.4730 mL

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

In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: ≥ 2.08 mg/mL (5.14 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 2.08 mg/mL (5.14 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Methyl deacetylasperulosidate is an iridoid and shows purgative effects in mice and lowers the blood glucose level in normal mice[1].

REFERENCES

[1]. Lucia Maria Conserva, et al. Borreria and Spermacoce species (Rubiaceae): A review of their ethnomedicinal properties, chemical constituents, and biological activities. Pharmacogn Rev. 2012 Jan;6(11):46-55.

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

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