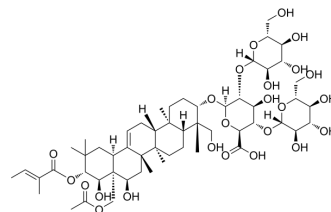


Isoescsin IA

Cat. No.:	HY-N0556
CAS No.:	219944-39-5
Molecular Formula:	C ₅₅ H ₈₆ O ₂₄
Molecular Weight:	1131.26
Target:	HIV Protease
Pathway:	Anti-infection; Metabolic Enzyme/Protease
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 (88.40 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
		1 mM		0.8840 mL	4.4199 mL	8.8397 mL
		5 mM		0.1768 mL	0.8840 mL	1.7679 mL
10 mM		0.0884 mL	0.4420 mL	0.8840 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: ≥ 2.5 mg/mL (2.21 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (2.21 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (2.21 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Isoescsin IA is a triterpenoid saponin isolated from the seeds of <i>Aesculus chinensis</i> . Isoescsin IA has anti-HIV-1 protease activity ^[1] .
--------------------	--

REFERENCES

[1]. Yang XW, et al. Anti-HIV-1 protease triterpenoid saponins from the seeds of *Aesculus chinensis*. *J Nat Prod.* 1999 Nov;62(11):1510-3.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA