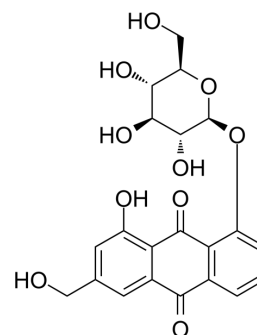


Aloe-emodin-8-O-β-D-glucopyranoside

Cat. No.:	HY-N2451
CAS No.:	33037-46-6
Molecular Formula:	C ₂₁ H ₂₀ O ₁₀
Molecular Weight:	432.38
Target:	Phosphatase
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 50 mg/mL (115.64 mM; Need ultrasonic)				
	Preparing Stock Solutions	Solvent \ Mass \ Concentration	1 mg	5 mg	10 mg
		1 mM	2.3128 mL	11.5639 mL	23.1278 mL
		5 mM	0.4626 mL	2.3128 mL	4.6256 mL
		10 mM	0.2313 mL	1.1564 mL	2.3128 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 (5.78 mM); Suspended solution; Need ultrasonic				

BIOLOGICAL ACTIVITY

Description	Aloe-emodin-8-O-β-D-glucopyranoside, a compound isolated from Saussurea lappa, is a moderate inhibitor of human protein tyrosine phosphatase 1B (hPTP1B) with an IC ₅₀ of 26.6 μM ^[1] .
IC₅₀ & Target	IC ₅₀ : 26.6 μM (hPTP1B) ^[1]

CUSTOMER VALIDATION

- Biomed Res Int. 2021 Sep 9;2021:9066938.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Li S, et al. PTP1B inhibitors from Saussurea lappa. J Asian Nat Prod Res. 2006 Apr-May;8(3):281-6.

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