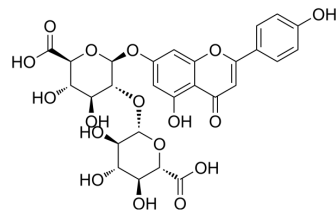


Clerodendrin

Cat. No.:	HY-N2426
CAS No.:	119738-57-7
Molecular Formula:	C ₂₇ H ₂₆ O ₁₇
Molecular Weight:	622.49
Target:	Interleukin Related
Pathway:	Immunology/Inflammation
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 50 mg/mL (80.32 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
			1 mM	1.6065 mL	8.0323 mL	16.0645 mL
			5 mM	0.3213 mL	1.6065 mL	3.2129 mL
			10 mM	0.1606 mL	0.8032 mL	1.6065 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: ≥ 1.25 mg/mL (2.01 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 1.25 mg/mL (2.01 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 1.25 mg/mL (2.01 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Clerodendrin is a nature product could be isolated from <i>Lobelia chinensis</i> . Clerodendrin is a potent dual Interleukin-4 (IL-4) inhibitor and β-hexosaminidase (Hex) inhibitor ^[1] .
In Vitro	Clerodendrin (10 μM; 1 and 3 h) inhibits IL-4 mRNA expression and the release of β-hexosaminidase in Propidium Iodide (HY-D0815)-induced RBL-2H3 cells ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

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

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