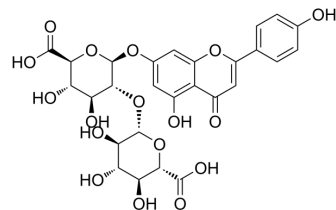


Clerodendrin

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	<ol style="list-style-type: none"> 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 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 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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