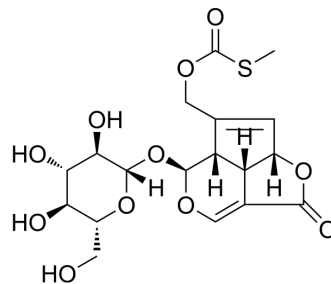


Paederoside

Cat. No.:	HY-N2432
CAS No.:	20547-45-9
Molecular Formula:	C ₁₈ H ₂₂ O ₁₁ S
Molecular Weight:	446.43
Target:	HBV; EBV
Pathway:	Anti-infection
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 (224.00 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	2.2400 mL	11.2000 mL	22.3999 mL
				5 mM	0.4480 mL	2.2400 mL	4.4800 mL
				10 mM	0.2240 mL	1.1200 mL	2.2400 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 (5.60 mM); Clear solution						
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (5.60 mM); Clear solution						
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (5.60 mM); Clear solution						

BIOLOGICAL ACTIVITY

Description	Paederoside is a monoterpene S-methyl thiocarbonate isolated from <i>Paederia pertomentosa</i> . Paederoside shows a high anti-tumor promoting activity against the Epstein-Barr virus activation ^[1] .
IC ₅₀ & Target	IC50: Epstein-Barr virus ^[1]

REFERENCES

[1]. Kapadia GJ1, et al. Inhibitory effect of iridoids on Epstein-Barr virus activation by a short-term in vitro assay for anti-tumor promoters. *Cancer Lett.* 1996 Apr 19;102(1-

2):223-6.

[2]. G.J.Kapadia, et al. Revised structure of paederoside, a novel monoterpene S-methyl thiocarbonate. Tetrahedron Letter. Volume 20, Issue 22, 1979, Pages 1937-1938

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

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