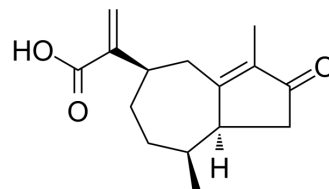


Rupestonic acid

Cat. No.:	HY-N3016
CAS No.:	83161-56-2
Molecular Formula:	C ₁₅ H ₂₀ O ₃
Molecular Weight:	248.32
Target:	Influenza Virus
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 (402.71 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	4.0271 mL	20.1353 mL	40.2706 mL
				5 mM	0.8054 mL	4.0271 mL	8.0541 mL
				10 mM	0.4027 mL	2.0135 mL	4.0271 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 (10.07 mM); Clear solution						
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (10.07 mM); Clear solution						
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (10.07 mM); Clear solution						

BIOLOGICAL ACTIVITY

Description	Rupestonic acid, a sesquiterpene, can inhibit influenza virus ^[1] .
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REFERENCES

[1]. Obul M, et al. Structural modification on rupestonic acid leads to highly potent inhibitors against influenza virus. Mol Divers. 2019 Feb;23(1):1-9.

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

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