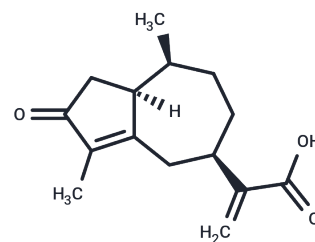


Rupestonic acid

Chemical Properties

CAS No. :	115473-63-7
Formula:	C ₁₅ H ₂₀ O ₃
Molecular Weight:	248.32
Appearance:	no data available
Storage:	store at low temperature,keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Rupestonic acid is a compound in <i>Artemisia rupestris</i> L., a well-known traditional Uighur medicine for the treatment of colds. Rupestonic acid has an anti-influenza virus activity.
Targets(IC ₅₀)	ERK,p38 MAPK,Influenza Virus,Nrf2

Solubility Information

Solubility	DMSO: 90 mg/mL (362.4 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
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
50 mM	0.0805 mL	0.4027 mL	0.8054 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Ma LL, et al. Rupestonic acid derivative YZH-106 suppresses influenza virus replication by activation of heme oxygenase-1-mediated interferon response. *Free Radic Biol Med.* 2016 Jul;96:347-61.

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