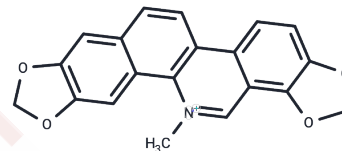


Sanguinarine

Chemical Properties

CAS No. :	2447-54-3
Formula:	C ₂₀ H ₁₄ N ₄ O ₄
Molecular Weight:	332.33
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Sanguinarine (Pseudochelerythrine) is a specific inhibitor of Rac1b with anti-microbial, anti-oxidant and anti-inflammatory properties.
Targets(IC50)	Apoptosis,Antioxidant,Autophagy

Solubility Information

Solubility	DMSO: 3.33 mg/mL (10.02 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	3.0091 mL	15.0453 mL	30.0906 mL
5 mM	0.6018 mL	3.0091 mL	6.0181 mL
10 mM	0.3009 mL	1.5045 mL	3.0091 mL
50 mM	0.0602 mL	0.3009 mL	0.6018 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Mehra P, et al. Indian J Exp Biol. 2013 Oct;51(10):823-7.

Chen Y, Fu Z, Li D, et al. Optimizations of a novel fluorescence polarization-based high-throughput screening assay for β -catenin/LEF1 interaction inhibitors. Analytical Biochemistry. 2021, 612: 113966

Chen J, Zhou X, Fu L, et al. Natural Product-Based Screening for Lead Compounds Targeting SARS CoV-2 Mpro[J]. Pharmaceuticals, 2023, 16(5): 767..Pharmaceuticals.2023, 16(5): 767.

Chen Y, Fu Z, Li D, et al. Optimizations of a novel fluorescence polarization-based high-throughput screening assay for β -catenin/LEF1 interaction inhibitors. Analytical Biochemistry. 2021, 612: 113966.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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