

(S)-(-)-O-Demethylbuchenavianine

Chemical Properties

CAS No. : 91147-18-1

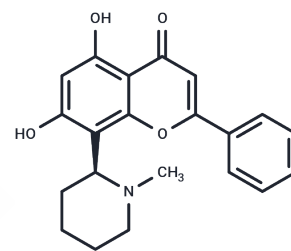
Formula: C₂₁H₂₁N₁O₄

Molecular Weight: 351.40

Keep away from direct sunlight

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	(S)-(-)-O-Demethylbuchenavianine (Compound (S)-(-)-1), a flavonoidal alkaloid, serves as a potent inhibitor of CDKs, exhibiting IC ₅₀ values of 0.03 μM for CDK1 and 0.05 μM for CDK5, respectively.
Targets(IC ₅₀)	CDK

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8458 mL	14.2288 mL	28.4576 mL
5 mM	0.5692 mL	2.8458 mL	5.6915 mL
10 mM	0.2846 mL	1.4229 mL	2.8458 mL
50 mM	0.0569 mL	0.2846 mL	0.5692 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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