

(R)-(+)-O-Demethylbuchenavianine

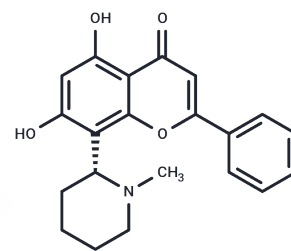
Chemical Properties

CAS No. : 1364123-68-1

Formula: C₂₁H₂₁NO₄

Molecular Weight: 351.40

Storage: Keep away from direct sunlight
 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 | (R)-(+)-O-Demethylbuchenavianine is a cyclin-dependent kinase (CDK) inhibitor. It inhibits CDK1, CDK5, glycogen synthase kinase 3 (GSK3), cdc2-like kinase (CLK1), and dual-specificity tyrosine-phosphorylation-regulated kinase 1A (DYRK1A) with IC ₅₀ values of 1.1 μM, 0.95 μM, >10 μM, >10 μM, and >10 μM, respectively. |
| Targets(IC ₅₀) | CDK,DYRK,GSK-3 |

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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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