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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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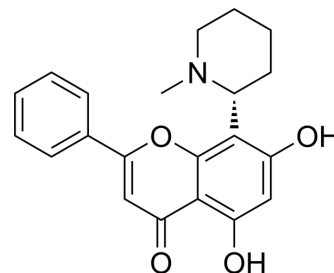
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(R)-(+)-O-Demethylbuchenavianine

Cat. No.:	HY-N12625
CAS No.:	1364123-68-1
Molecular Formula:	C ₂₁ H ₂₁ NO ₄
Molecular Weight:	351.4
Target:	CDK; DYRK; GSK-3
Pathway:	Cell Cycle/DNA Damage; Protein Tyrosine Kinase/RTK; PI3K/Akt/mTOR; Stem Cell/Wnt
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



BIOLOGICAL ACTIVITY

Description	(R)-(+)-O-Demethylbuchenavianine is an inhibitor for Cyclin-dependent kinases (CDK). (R)-(+)-O-Demethylbuchenavianine inhibits CDK1, CDK5, glycogen synthase kinase-3 (GSK3), cdc2-like kinase (CLK1) and dual specificity tyrosine-phosphorylation-regulated kinase 1A (DYRK1A), with IC ₅₀ s of 1.1, 0.95, >10, >10 and >10 μM, respectively ^[1] .			
IC₅₀ & Target	CDK5 0.95 μM (IC ₅₀)	CDK1 1.1 μM (IC ₅₀)	CLK1	DYRK1A
	GSK-3			

REFERENCES

[1]. Nguyen TB, et al., Synthesis, biological evaluation, and molecular modeling of natural and unnatural flavonoidal alkaloids, inhibitors of kinases. J Med Chem. 2012 Mar 22;55(6):2811-9.

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

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