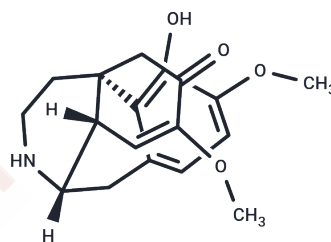


(9 α ,13 α ,14 α)-4-Hydroxy-3,7-dimethoxy-7,8-didehydromorphinan-6-one

Chemical Properties

CAS No. :	240131-71-9
Formula:	C ₁₈ H ₂₁ N ₁ O ₄
Molecular Weight:	315.36
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	(9 α ,13 α ,14 α)-4-Hydroxy-3,7-dimethoxy-7,8-didehydromorphinan-6-one is a major mechanism of Sinomenine. Sinomenine is an alkaloid derived from the Chinese herb Sinomenium acutum (Thunb.) Rehd. et Wils. (9 α ,13 α ,14 α)-4-Hydroxy-3,7-dimethoxy-7,8-didehydromorphinan-6-one exhibits anti-inflammation effects.
Targets(IC50)	Immunology/Inflammation related,ROS

Solubility Information

Solubility	DMSO: 100 mg/mL (317.1 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	3.171 mL	15.8549 mL	31.7098 mL
5 mM	0.6342 mL	3.171 mL	6.342 mL
10 mM	0.3171 mL	1.5855 mL	3.171 mL
50 mM	0.0634 mL	0.3171 mL	0.6342 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

Li Q, et al. Metabolic mechanism and anti-inflammation effects of sinomenine and its major metabolites N-demethylsinomenine and sinomenine-N-oxide.

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