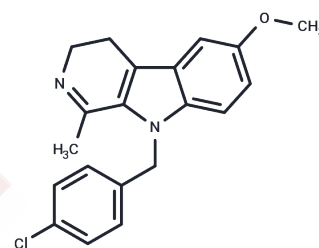


Hamaline

Chemical Properties

CAS No. :	2411677-02-4
Formula:	C ₂₀ H ₁₉ ClN ₂ O
Molecular Weight:	338.83
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	Hamaline (9-(4-chlorobenzyl)-6-methoxy-1-methyl-4,9-dihydro-3H-pyrido[3,4-b]indole) is a substrate-selective cyclooxygenase-2 (COX-2) inhibitor.
Targets(IC50)	COX

Solubility Information

Solubility	DMSO: 50 mg/mL (147.57 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	2.9513 mL	14.7567 mL	29.5133 mL
5 mM	0.5903 mL	2.9513 mL	5.9027 mL
10 mM	0.2951 mL	1.4757 mL	2.9513 mL
50 mM	0.059 mL	0.2951 mL	0.5903 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

Uddin MJ, et al. Harmaline Analogs as Substrate-Selective Cyclooxygenase-2 Inhibitors. ACS Med Chem Lett. 2020 Feb 14;11(10):1881-1885.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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