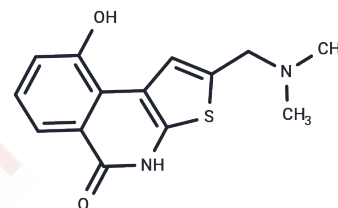


HYDAMTIQ

Chemical Properties

CAS No. :	1201832-32-7
Formula:	C ₁₄ H ₁₄ N ₂ O ₂ S
Molecular Weight:	274.34
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	HYDAMTIQ, a PARP-1/2 inhibitor (IC ₅₀ : 29-38 nM), exhibits a range of pharmacological effects including anticancer, anti-inflammatory, and ischemic protective properties. It effectively reduces pulmonary PARP activity and alleviates symptoms such as allergen-induced cough and dyspnea while also diminishing bronchial hyperresponsiveness to methacholine. Moreover, HYDAMTIQ shows potent tumor suppressor activity in various cancers such as ovarian, breast, prostate, pancreatic, and glioblastoma multiforme. Demonstrating in vivo efficacy, HYDAMTIQ has been tested in animal models for conditions like cerebral ischemia, asthma, and cancer [1].
Targets(IC ₅₀)	PARP

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.6451 mL	18.2256 mL	36.4511 mL
5 mM	0.729 mL	3.6451 mL	7.2902 mL
10 mM	0.3645 mL	1.8226 mL	3.6451 mL
50 mM	0.0729 mL	0.3645 mL	0.729 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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