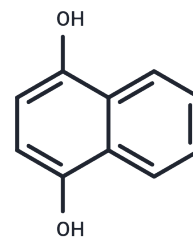


1,4-Dihydroxynaphthalene

Chemical Properties

CAS No. :	571-60-8
Formula:	C ₁₀ H ₈ O ₂
Molecular Weight:	160.17
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	1,4-Dihydroxynaphthalene A potent HSV-1 protease inhibitor with inhibitory effects on the HCMV protease, which can be used to study herpesviruses.
Targets(IC50)	HSV

Solubility Information

Solubility	DMSO: 50 mg/mL (312.17 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	6.2434 mL	31.2168 mL	62.4337 mL
5 mM	1.2487 mL	6.2434 mL	12.4867 mL
10 mM	0.6243 mL	3.1217 mL	6.2434 mL
50 mM	0.1249 mL	0.6243 mL	1.2487 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

Tsuruda LS, et al. Formation of epoxide and quinone protein adducts in B6C3F1 mice treated with naphthalene, sulfate conjugate of 1,4-dihydroxynaphthalene and 1,4-naphthoquinone. Arch Toxicol. 1995;69(6):362-7.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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