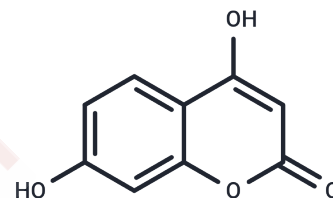


4,7-DIHYDROXYCOUMARIN

Chemical Properties

CAS No. :	1983-81-9
Formula:	C ₉ H ₆ O ₄
Molecular Weight:	178.14
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	4,7-DIHYDROXYCOUMARIN is a naturally occurring coumarin derivative found in a variety of plants, including parsley and chamomile. It has been found to inhibit the activity of several enzymes, including cytochrome P450, cyclooxygenase and lipoxygenase. It can also bind to DNA, regulate gene expression, and inhibit cell cycle progression. It can also induce apoptosis in tumor cells and reduce inflammation.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 60 mg/mL (336.81 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.6136 mL	28.0678 mL	56.1356 mL
5 mM	1.1227 mL	5.6136 mL	11.2271 mL
10 mM	0.5614 mL	2.8068 mL	5.6136 mL
50 mM	0.1123 mL	0.5614 mL	1.1227 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

Zhao, H., Neamati, N., Hong, H., Mazumder, A., Wang, S., & Sunder, S. et al. (1997). Coumarin-Based Inhibitors of HIV Integrase1. Journal Of Medicinal Chemistry, 40(2), 242-249. doi: 10.1021/jm960450v

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481