

Iberverin

Chemical Properties

CAS No. : 505-79-3

Formula: C₅H₉NS₂

Molecular Weight: 147.26

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	Iberverin is a natural product. It induces phase II enzyme activity and decreases expression of androgen receptors in prostate cancer cells.
Targets(IC50)	Apoptosis,Others,Reactive Oxygen Species,ROS

Solubility Information

Solubility	DMSO: 50 mg/mL (339.54 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	6.7907 mL	33.9536 mL	67.9071 mL
5 mM	1.3581 mL	6.7907 mL	13.5814 mL
10 mM	0.6791 mL	3.3954 mL	6.7907 mL
50 mM	0.1358 mL	0.6791 mL	1.3581 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

Ernst I M A , Palani K , Esatbeyoglu T , et al. Synthesis and Nrf2-inducing activity of the isothiocyanates iberberin, iberin and cheirolin[J]. Pharmacological Research, 2013, 70(1):155-162.

Yang H, Dai B, Chen L, et al. Iberberin Downregulates GPX4 and SLC7A11 to Induce Ferroptotic Cell Death in Hepatocellular Carcinoma Cells. Biomolecules. 2024, 14(11): 1407.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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