

Cobaltic Protoporphyrin IX chloride

Chemical Properties

CAS No. :	102601-60-5
Formula:	C ₃₄ H ₃₄ Cl ₂ CoN ₄ O ₄
Molecular Weight:	692.497
Storage:	Store at low temperature,Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

Biological Description

Description	Cobaltic Protoporphyrin IX chloride (CoPP) is a potent heme oxygenase 1 (HO-1) inducer with antiviral activity that inhibits influenza A virus (IAV) infection by inducing a type I IFN response. mTOR inhibitor-8 is a potent mTOR inhibitor and autophagy inducer with antiviral and antitumor activities.
Targets(IC50)	Apoptosis,Bcl-2 Family,Caspase,Nrf2,Antibacterial,Autophagy,Cytochromes P450,ROS

Solubility Information

Solubility	Ethanol: 1.00 mg/mL (1.44 mM),Sonication is recommended. DMF:PBS (pH 7.2) (1:6): 0.14 mg/mL (0.20 mM),Sonication is recommended. DMSO: < 1 mg/mL (insoluble),Sonication is recommended. DMF: 30.00 mg/mL (43.32 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	1.444 mL	7.2202 mL	14.4404 mL
5 mM	0.2888 mL	1.444 mL	2.8881 mL
10 mM	0.1444 mL	0.722 mL	1.444 mL
50 mM	0.0289 mL	0.1444 mL	0.2888 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

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- Li, J., Wu, B., Teng, D., et al. Cobalt-protoporphyrin enhances heme oxygenase 1 expression and attenuates liver ischemia/reperfusion injury by inhibiting apoptosis *Mol. Med. Rep.* 17(3)4567-4572(2018)
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