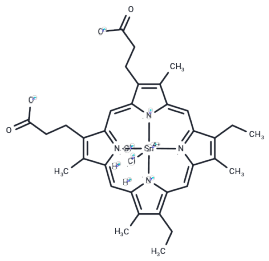
Data Sheet (Cat.No.T17100)

TargetMol

Tin(IV) mesoporphyrin IX dichloride

Chemical Properties



CAS No. : 106344-20-1

Formula: C34H36Cl2N4O4Sn

Molecular Weight: 754.29

Storage: Keep away from moisture
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	Tin(IV) mesoporphyrin IX dichloride (Stannsoporfin) is an effective heme oxygenase (HO) inhibitor used for the treatment of hyperbilirubinemia.
Targets(IC50)	Others,ROS

Solubility Information

Solubility	DMSO: 4 mg/mL (5.3 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3258 mL	6.6288 mL	13.2575 mL
5 mM	0.2652 mL	1.3258 mL	2.6515 mL
10 mM	0.1326 mL	0.6629 mL	1.3258 mL
50 mM	0.0265 mL	0.1326 mL	0.2652 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

Benjamin Levinson, et al. Treatment of infant hyperbilirubinemia using low dosages of stannsoporfin. US20080113955A1.

Castillo JR, et al. The heme oxygenase-1 metalloporphyrin inhibitor stannsoporfin enhances the bactericidal activity of a novel regimen for multidrug-resistant tuberculosis in a murine model. bioRxiv [Preprint]. 2023 Nov 13: 2023.08.09.552716.

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