

(meso-Tetraphenylporphinato)platinum

Chemical Properties

CAS No. : 14187-14-5

Formula: C₄₆H₃₄N₄Pt

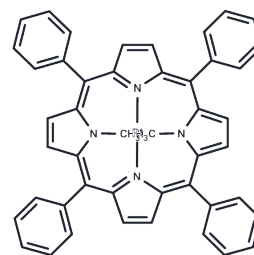
Molecular Weight: 837.87

Storage:

Keep away from direct sunlight, The compound is unstable in solution. Please use soon

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	(meso-Tetraphenylporphinato)platinum is an organic compound classified as a metalloporphyrin. It is typically used as a catalyst in various organic chemical reactions, particularly in oxidation and reduction reactions. Meso-tetraphenylporphyrin Pt(II) has diverse applications in synthetic organic chemistry, especially in the production of pharmaceuticals, agrochemicals, and specialty chemicals. Additionally, it may serve as a sensor for detecting biomolecules and has potential use in photodynamic therapy for cancer.
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Solubility Information

Solubility	DMSO: Slightly soluble, DMSO inactivates the activity of (meso-Tetraphenylporphinato) platinum. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1935 mL	5.9675 mL	11.935 mL
5 mM	0.2387 mL	1.1935 mL	2.387 mL
10 mM	0.1194 mL	0.5968 mL	1.1935 mL
50 mM	0.0239 mL	0.1194 mL	0.2387 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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