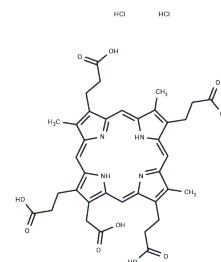


Pentacarboxylporphyrin I dihydrochloride

Chemical Properties

CAS No. : 141407-11-6
 Formula: C₃₇H₄₀Cl₂N₄O₁₀
 Molecular Weight: 771.64
 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	Pentacarboxylporphyrin I dihydrochloride is an organic compound that belongs to the porphyrin derivatives family. It is commonly utilized in biochemical research as a reference standard for quantifying porphyrins and related compounds in biological samples. Pentacarboxylporphyrin I dihydrochloride has various applications in the diagnosis and monitoring of porphyrias, a group of hereditary diseases characterized by abnormalities in heme metabolism. Additionally, it serves as a photosensitizer in photodynamic therapy for the treatment of cancer and other diseases.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2959 mL	6.4797 mL	12.9594 mL
5 mM	0.2592 mL	1.2959 mL	2.5919 mL
10 mM	0.1296 mL	0.648 mL	1.2959 mL
50 mM	0.0259 mL	0.1296 mL	0.2592 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.

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