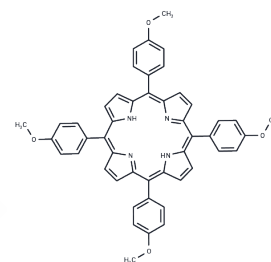


5,10,15,20-Tetrakis(4-methoxyphenyl)porphyrin

Chemical Properties

CAS No. :	22112-78-3
Formula:	C ₄₈ H ₃₈ N ₄ O ₄
Molecular Weight:	734.84
Storage:	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	5,10,15,20-Tetrakis(4-methoxyphenyl)porphyrin is a porphyrin derivative capable of forming complexes with metal ions such as zinc (Zn), copper (Cu), and cadmium (Cd). These metal complexes exhibit phototoxicity towards Hep-2 cells, causing cell inactivation through the generation of singlet oxygen.
Targets(IC50)	Photosensitizer

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3608 mL	6.8042 mL	13.6084 mL
5 mM	0.2722 mL	1.3608 mL	2.7217 mL
10 mM	0.1361 mL	0.6804 mL	1.3608 mL
50 mM	0.0272 mL	0.1361 mL	0.2722 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

Milanesio ME, Alvarez MG, Yslas EI, et al. Photodynamic studies of metallo 5,10,15,20-tetrakis(4-methoxyphenyl) porphyrin: photochemical characterization and biological consequences in a human carcinoma cell line. Photochem Photobiol. 2001;74(1):14-21.

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