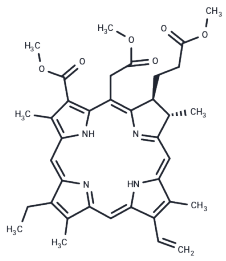
Data Sheet (Cat.No.T40435)

TargetMol

Chlorin e6 trimethyl ester

Chemical Properties



CAS No. : 35038-32-5

Formula: C37H42N4O6

Molecular Weight: 638.765

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	Chlorin e6 trimethyl ester, a derivative of methyl pheophorbide-a, is an effective photosensitizer for photodynamic therapy (PDT).
Targets(IC50)	Others,Reactive Oxygen Species,ROS
In vivo	Chlorin e6 trimethyl ester (5 mg/kg; i.p.) exhibits no tumoricidal activity in mice[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5655 mL	7.8275 mL	15.6551 mL
5 mM	0.3131 mL	1.5655 mL	3.131 mL
10 mM	0.1566 mL	0.7828 mL	1.5655 mL
50 mM	0.0313 mL	0.1566 mL	0.3131 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

Pandey RK, et, al. Chlorin and porphyrin derivatives as potential photosensitizers in photodynamic therapy. Photochemistry and Photobiology. 1991. 53(1):65-72.
Bauer D, et, al. Functionalization of chlorin e6 trimethylester towards potential amphiphilic photosensitizers for photodynamic therapy. Journal of Porphyrins and Phthalocyanines. 2019. 23(3): 243-250.

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