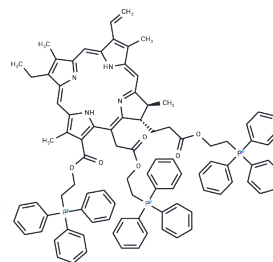


TPP-Ce6

Chemical Properties

CAS No. :	3030629-73-0
Formula:	C94H90N4O6P33+
Molecular Weight:	1464.66
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	TPP-Ce6 is a mitochondria-targeting photosensitizer formed by the ester linkage of chlorin e6 (Ce6) with triphenylphosphine (TPP). Upon light exposure, TPP-Ce6 generates reactive oxygen species (ROS), particularly singlet oxygen, which induce oxidative stress, leading to mitochondrial dysfunction and apoptosis (cellular apoptosis). This compound is useful for research on mitochondrial roles in apoptosis, energy metabolism, and cancer treatment.
Targets(IC50)	Apoptosis,Others,Reactive Oxygen Species

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.6828 mL	3.4138 mL	6.8275 mL
5 mM	0.1366 mL	0.6828 mL	1.3655 mL
10 mM	0.0683 mL	0.3414 mL	0.6828 mL
50 mM	0.0137 mL	0.0683 mL	0.1366 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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