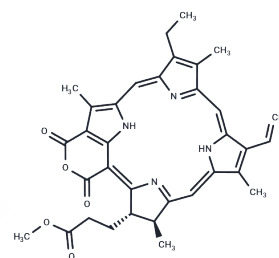


## Purpurin 18 methyl ester

### Chemical Properties

CAS No. :	51744-55-9
Formula:	C34H34N4O5
Molecular Weight:	578.66
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	Purpurin 18 methyl ester, a derivative of chlorophyll-a, serves as a photosensitizer for photodynamic therapy (PDT), exhibiting the ability to induce cancer cell apoptosis [1].
Targets(IC50)	Photosensitizer
In vitro	Purpurin 18 methyl ester (1-5 µg/mL; 24 h) exhibits no cytotoxic effects on HepG-2 cells when incubated in the dark [1].

### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7281 mL	8.6407 mL	17.2813 mL
5 mM	0.3456 mL	1.7281 mL	3.4563 mL
10 mM	0.1728 mL	0.8641 mL	1.7281 mL
50 mM	0.0346 mL	0.1728 mL	0.3456 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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