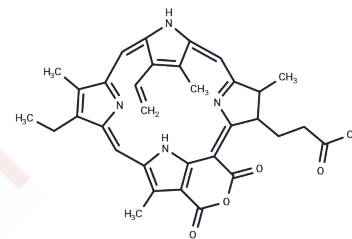


Purpurin 18

Chemical Properties

CAS No. :	25465-77-4
Formula:	C ₃₃ H ₃₂ N ₄ O ₅
Molecular Weight:	564.63
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 is an interesting dihydroporphyrin for generating photosensitizers. It has antioxidant activity
Targets(IC50)	Apoptosis,Antioxidant,Reactive Oxygen Species,ROS,Photosensitizer

Solubility Information

Solubility	DMSO: 10 mg/mL (17.71 mM),Sonication and heating to 60°C are recommended. Ethanol: < 1 mg/mL (insoluble), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7711 mL	8.8554 mL	17.7107 mL
5 mM	0.3542 mL	1.7711 mL	3.5421 mL
10 mM	0.1771 mL	0.8855 mL	1.7711 mL
50 mM	0.0354 mL	0.1771 mL	0.3542 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

NicolasDrogat, et al. High yield preparation of purpurin-18 from Spirulina maxima. Dyes and Pigments

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