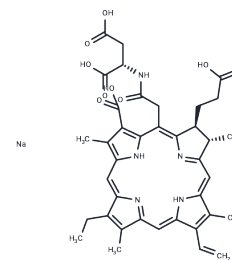


Talaporfin sodium

Chemical Properties

CAS No. :	220201-34-3
Formula:	C ₃₈ H ₄₁ N ₅ NaO ₉
Molecular Weight:	734.762
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	Talaporfin is a photosensitizer used in photodynamic therapy.
Targets(IC50)	Others,Photosensitizer
In vitro	Talaporfin is a photosensitizer used in photodynamic therapy. Talaporfin absorbs red light at 664 nm normally provided by a laser tuned to this wavelength. Talaporfin was approved in Japan (in 2004) for PDT of lung cancer and marketed as Laserphyrin [1][2].

Solubility Information

Solubility	DMSO: 2 mg/mL (2.72 mM),Sonication is recommended. H ₂ O: 50 mg/mL (68.05 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.361 mL	6.8049 mL	13.6099 mL
5 mM	0.2722 mL	1.361 mL	2.722 mL
10 mM	0.1361 mL	0.6805 mL	1.361 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

http://journals.lww.com/jto/Fulltext/2006/06000/Photodynamic_Therapy__PDT__for_Lung_Cancers.18.aspx
http://meeting.ascopubs.org/cgi/content/abstract/24/18_suppl/7229

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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