

Lemuteporfin

Chemical Properties

CAS No. : 215808-49-4

Formula: C44H48N4O10

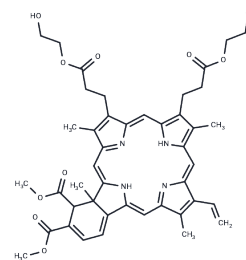
Molecular Weight: 792.87

Storage:

Keep away from direct sunlight, Store at low temperature, Keep away from moisture

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	Lemuteporfin is a light-activated photosensitizing agent that is rapidly internalized by viable cells, localizing within the cytoplasm and associating with mitochondria. This localization is a key characteristic that confers strong cytotoxic potential upon light activation. Lemuteporfin has demonstrated the ability to reduce sebaceous gland volume in preclinical animal studies. It is currently under investigation in relation to benign prostatic hyperplasia and in topical form for the management of androgenetic alopecia.
Targets(IC50)	Apoptosis

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2612 mL	6.3062 mL	12.6124 mL
5 mM	0.2522 mL	1.2612 mL	2.5225 mL
10 mM	0.1261 mL	0.6306 mL	1.2612 mL
50 mM	0.0252 mL	0.1261 mL	0.2522 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

Surface topographies for non-toxic bioadhesion control By Brennan, Anthony B.; Long, Christopher James; Bagan, Joseph W.; Schumacher, James Frederick; Spiecker, Mark M. From U.S. Pat. Appl. Publ. (2010), US 20100226943 A1 20100909.

Combination of photodynamic therapy and anti-vegf agents in the treatment of unwanted choroidal neovasculature By Strong, Andrew; Hao, Yong From PCT Int. Appl. (2010), WO 2010069073 A1 20100624.

Photodynamic therapy of sebaceous gland disorders By Tao, Jing-Song; Curaudeau, Alain H.; Hunt, David; Boniface, Graham; Rubinachik, Valery From PCT Int. Appl. (2009), WO 2009093144 A2 20090730.

Photodynamic therapy for the treatment of hidradenitis suppurativa By Tao, Jing-Song; Hunt, David W. C. From PCT Int. Appl. (2008), WO 2008052350 A1 20080508.

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