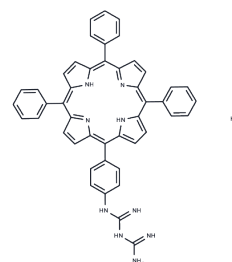


## Biguanidinium-porphyrin

## Chemical Properties

CAS No. :	1014978-87-0
Formula:	C <sub>46</sub> H <sub>36</sub> ClN <sub>9</sub>
Molecular Weight:	750.29
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	Biguanidinium-porphyrin is a phototoxic agent with anti-proliferative activity.
Targets(IC50)	Others, Photosensitizer
In vitro	Biguanidinium-porphyrin inhibits the proliferation of human carcinoma HEP2 cells with IC50 of 8.2 μM at 1 J cm <sup>-2</sup> .

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3328 mL	6.6641 mL	13.3282 mL
5 mM	0.2666 mL	1.3328 mL	2.6656 mL
10 mM	0.1333 mL	0.6664 mL	1.3328 mL
50 mM	0.0267 mL	0.1333 mL	0.2666 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

Sibrian-Vazquez M, Nesterova IV, Jensen TJ, Vicente MG. Mitochondria targeting by guanidine- and biguanidine-porphyrin photosensitizers. *Bioconjug Chem.* 2008 Mar;19(3):705-13.

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