

Biguanidinium-porphyrin free TFA

Chemical Properties

CAS No. :

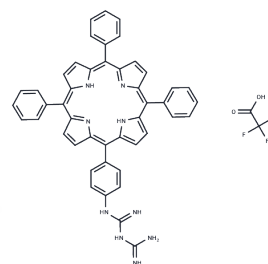
Formula: C48H36F3N9O2

Molecular Weight: 827.85

Store at low temperature

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 free TFA is a mitochondrial-targeting photosensitizer exhibiting low dark toxicity towards human hepatocellular carcinoma HEP2 cells (IC50=8.2 mM, 1 J/cm ²).
Targets(IC50)	Mitochondrial Metabolism, Photosensitizer

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2079 mL	6.0397 mL	12.0795 mL
5 mM	0.2416 mL	1.2079 mL	2.4159 mL
10 mM	0.1208 mL	0.604 mL	1.2079 mL
50 mM	0.0242 mL	0.1208 mL	0.2416 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, et al. Mitochondria targeting by guanidine- and biguanidine-porphyrin photosensitizers. *Bioconjug Chem.* 2008 Mar;19(3):705-13.

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