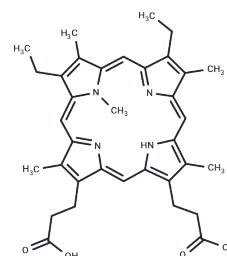


N-methyl Mesoporphyrin IX

Chemical Properties

CAS No. :	142234-85-3
Formula:	C ₃₅ H ₄₀ N ₄ O ₄
Molecular Weight:	580.72
Appearance:	no data available
Storage:	keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	N-methyl Mesoporphyrin IX is a widely used G-quadruplex DNA-specific fluorescent binder that effectively monitors Aβ fibrillation. N-methyl Mesoporphyrin IX is sensitive to G-quadruplex DNA and unreactive to duplex, triplex, and single-stranded forms of DNA. N-methyl Mesoporphyrin IX needs to stack with Aβ assemblies to emit strong fluorescence. Meanwhile N-methyl Mesoporphyrin IX is an in situ inhibitor and ex situ monitor of Aβ amyloid production in vitro and intracellularly.
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Solubility Information

Solubility	DMSO: 15 mg/mL DMF: 20 mg/mL (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.722 mL	8.610 mL	17.220 mL
5 mM	0.3444 mL	1.722 mL	3.444 mL
10 mM	0.1722 mL	0.861 mL	1.722 mL
50 mM	0.0344 mL	0.1722 mL	0.3444 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only. Not for Human or Veterinary or Therapeutic Use

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