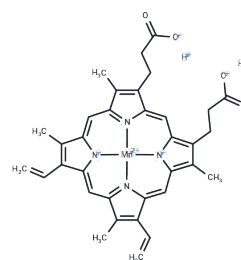


Mn(II) protoporphyrin IX

Chemical Properties

CAS No. :	21393-64-6
Formula:	C ₃₄ H ₃₂ MnN ₄ O ₄
Molecular Weight:	615.58
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	Mn(II) protoporphyrin IX is a potent intravenous paramagnetic magnetic resonance contrast agent, noted for its strong paramagnetic properties.
Targets(IC50)	Others
In vivo	Mn(II) protoporphyrin IX significantly decreases T1 relaxation times in the liver, while its impact on other bodily tissues is less notable [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6245 mL	8.1224 mL	16.2448 mL
5 mM	0.3249 mL	1.6245 mL	3.249 mL
10 mM	0.1624 mL	0.8122 mL	1.6245 mL
50 mM	0.0325 mL	0.1624 mL	0.3249 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

Jackson LS, et al. Manganese protoporphyrin IX. A potential intravenous paramagnetic NMR contrast agent: preliminary communication. Invest Radiol. 1985;20(2):226-229.

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