

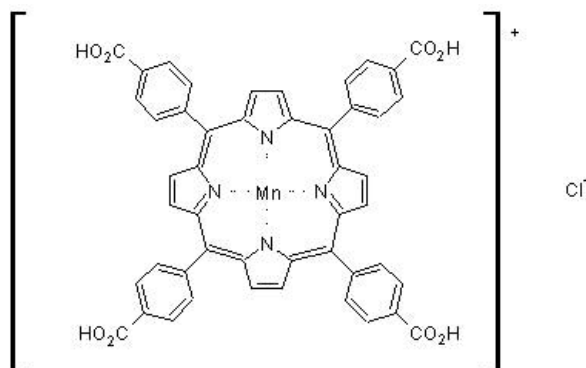
Product datasheet

MnTBAP chloride, Superoxide dismutase (SOD) mimetic
 ab141496

1 References 1 Image

Overview

Product name	MnTBAP chloride, Superoxide dismutase (SOD) mimetic
Description	Cell-permeable superoxide dismutase (SOD) mimetic
Biological description	Cell-permeable SOD mimetic. Potent peroxynitrite scavenger. Does not scavenge NO. Shows anti-inflammatory effects and reduces oxidative injury <i>in vivo</i> . Reduces ROS and shows a neuroprotective effect in spinal cord injury.
General notes	Dissolve at 0.1 M in aqueous base, then add buffer to lower pH to pH 7.0 or higher as needed.
CAS Number	55266-18-7
Chemical structure	



Properties

Chemical name	[5,10,15,20-Tetrakis(4-carboxyphenyl)-21 <i>H</i> ,23 <i>H</i> -porphine]manganese(III) chloride
Molecular weight	879.15
Molecular formula	C ₄₈ H ₂₈ ClMnN ₄ O ₈
PubChem identifier	16760566
Storage instructions	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Handling	Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and

prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.

Need more advice on solubility, usage and handling? Please visit our [frequently asked questions \(FAQ\) page](#) for more details.

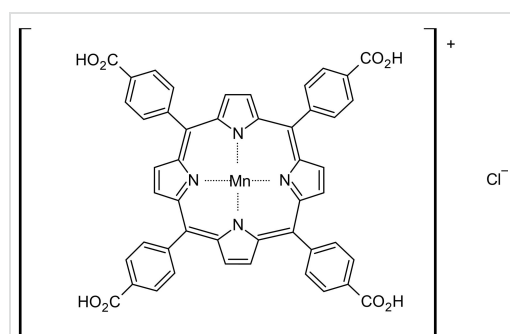
SMILES

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C1=CC(=CC=C1C2=C3C=CC(=C(C4=NC(=C(C5=CC=C([N-  
]5)C=C6C=CC2=N6)C7=CC=C(C=C7)C(=O)O)C8=CC=C(C=C8)C(=O)O)C=C4)C9=CC=C(C  
=C9)C(=O)O)[N-]3)C(=O)O.[Cl-].[Mn+3]
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Source

Synthetic

Images



Chemical Structure - MnTBAP chloride, Superoxide dismutase (SOD) mimetic (ab141496)

2D chemical structure image of ab141496, MnTBAP chloride, Superoxide dismutase (SOD) mimetic

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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