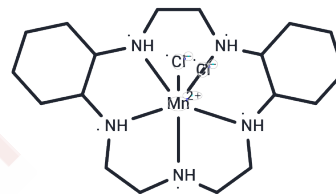


SC 55858

Chemical Properties

CAS No. : 179464-49-4
 Formula: C₁₈H₃₇Cl₂MnN₅
 Molecular Weight: 449.36
 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	SC 55858 is a superoxide dismutase mimetic.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2254 mL	11.1269 mL	22.2539 mL
5 mM	0.4451 mL	2.2254 mL	4.4508 mL
10 mM	0.2225 mL	1.1127 mL	2.2254 mL
50 mM	0.0445 mL	0.2225 mL	0.4451 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

- Lowe D, Pagel PS, McGough MF, Hettrick DA, Warltier DC. Comparison of the cardiovascular effects of two novel superoxide dismutase mimetics, SC-55858 and SC-54417, in conscious dogs. *Eur J Pharmacol.* 1996 May 23;304(1-3):81-6. PubMed PMID: 8813587.
- Salvemini D, Riley DP, Lennon PJ, Wang ZQ, Currie MG, Macarthur H, Misko TP. Protective effects of a superoxide dismutase mimetic and peroxynitrite decomposition catalysts in endotoxin-induced intestinal damage. *Br J Pharmacol.* 1999 Jun;127(3):685-92. PubMed PMID: 10401559; PubMed Central PMCID: PMC1566068.
- Zhang LZ, Ma SL. [Progress in studies on SOD mimics]. *Yao Xue Xue Bao.* 2002 Mar;37(3):235-40. Review. Chinese. PubMed PMID: 12579771.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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