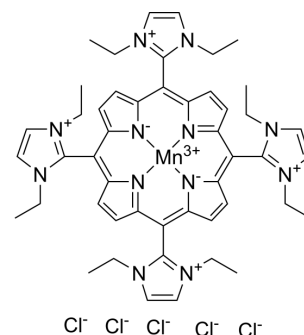


AEOL-10150 pentachloride

Cat. No.:	HY-19416
CAS No.:	286475-30-7
Molecular Formula:	C ₄₈ H ₅₆ Cl ₅ MnN ₁₂
Molecular Weight:	1033.24
Target:	Reactive Oxygen Species
Pathway:	Immunology/Inflammation; Metabolic Enzyme/Protease; NF-κB
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 125 mg/mL (120.98 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM		0.9678 mL	4.8391 mL	9.6783 mL
		5 mM		0.1936 mL	0.9678 mL	1.9357 mL
		10 mM		0.0968 mL	0.4839 mL	0.9678 mL
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	<p>1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 4.17 mg/mL (4.04 mM); Clear solution</p> <p>2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 4.17 mg/mL (4.04 mM); Clear solution</p>					

BIOLOGICAL ACTIVITY

Description	AEOL-10150 pentachloride is a metalloporphyrin catalytic antioxidant and is a superoxide dismutase mimetic, and protects lungs from radiation-induced injury ^[1] .
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REFERENCES

- [1]. Rabbani ZN, et al. Long-term administration of a small molecular weight catalytic metalloporphyrin antioxidant, AEOL 10150, protects lungs from radiation-induced injury. *Int J Radiat Oncol Biol Phys.* 2007 Feb 1;67(2):573-80.
- [2]. Zhang XR, Zhou WX, Zhang YX. Improvements in SOD mimic AEOL-10150, a potent broad-spectrum antioxidant. *Mil Med Res.* 2018;5(1):30.

Caution: Product has not been fully validated for medical applications. For research use only.

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