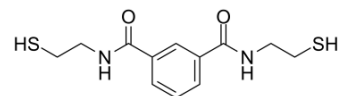


Emeramide

Cat. No.:	HY-16739
CAS No.:	351994-94-0
Molecular Formula:	C ₁₂ H ₁₆ N ₂ O ₂ S ₂
Molecular Weight:	284.4
Target:	Reactive Oxygen Species
Pathway:	Immunology/Inflammation; Metabolic Enzyme/Protease; NF-κB
Storage:	Powder -20°C 3 years 4°C 2 years



* The compound is unstable in solutions, freshly prepared is recommended.

SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (351.62 mM; Need ultrasonic and warming)
H₂O : < 0.1 mg/mL (insoluble)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.5162 mL	17.5809 mL	35.1617 mL
	5 mM	0.7032 mL	3.5162 mL	7.0323 mL
	10 mM	0.3516 mL	1.7581 mL	3.5162 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.08 mg/mL (7.31 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.08 mg/mL (7.31 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Emeramide is a novel lipid-soluble, thiol-redox antioxidant and heavy metal chelator.

REFERENCES

- [1]. Secor JD, et al. Novel lipid-soluble thiol-redox antioxidant and heavy metal chelator, N,N'-bis(2-mercaptoethyl)isophthalamide (NBMI) and phospholipase D-specific inhibitor, 5-fluoro-2-indolyl des-chlorohalopemide (FIPi) attenuate mercury-induced lipid signaling leading to protection against cytotoxicity in aortic endothelial cells. *Int J Toxicol.* 2011 Dec;30(6):619-38.

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

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