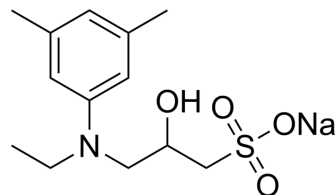


MAOS

Cat. No.:	HY-15923
CAS No.:	82692-97-5
Molecular Formula:	C ₁₃ H ₂₀ NNaO ₄ S
Molecular Weight:	309.36
Target:	Reactive Oxygen Species
Pathway:	Immunology/Inflammation; Metabolic Enzyme/Protease; NF-κB
Storage:	-20°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro

H₂O : 125 mg/mL (404.06 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	3.2325 mL	16.1624 mL	32.3248 mL
5 mM	0.6465 mL	3.2325 mL	6.4650 mL
10 mM	0.3232 mL	1.6162 mL	3.2325 mL

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

BIOLOGICAL ACTIVITY

Description

MAOS is a modified Trinder's reagent that can be used as a chromogenic probe for the determination of H₂O₂. MAOS is strongly dependent on the pH of the reaction medium^[1].

REFERENCES

[1]. Kim HY, et al. Reaction-based colorimetric signaling of Cu(2+) ions by oxidative coupling of phenols with 4-aminoantipyrine. Talanta. 2015 Jan;132:625-9.

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

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