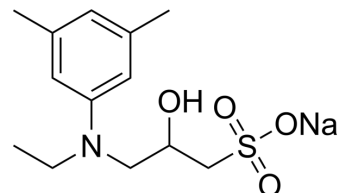


## MAOS

Cat. No.:	HY-15923
CAS No.:	82692-97-5
Molecular Formula:	C <sub>13</sub> H <sub>20</sub> NNaO <sub>4</sub> 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

H<sub>2</sub>O : 125 mg/mL (404.06 mM; Need ultrasonic)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	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 H<sub>2</sub>O<sub>2</sub>. MAOS is strongly dependent on the pH of the reaction medium<sup>[1]</sup>.

## 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.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA