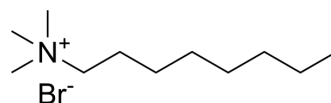


Trimethyloctylammonium bromide

Cat. No.:	HY-W099642
CAS No.:	2083-68-3
Molecular Formula:	C ₁₁ H ₂₆ BrN
Molecular Weight:	252.23
Target:	Biochemical Assay Reagents
Pathway:	Others
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 : 100 mg/mL (396.46 mM; Need ultrasonic)				
	Preparing Stock Solutions	Mass	1 mg	5 mg	10 mg
		Solvent			
		Concentration			
		1 mM	3.9646 mL	19.8232 mL	39.6464 mL
		5 mM	0.7929 mL	3.9646 mL	7.9293 mL
		10 mM	0.3965 mL	1.9823 mL	3.9646 mL
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (9.91 mM); Clear solution 2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (9.91 mM); Clear solution 3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (9.91 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Trimethyloctylammonium bromide (TOAB) is used as a surfactant and phase transfer catalyst in various chemical reactions. TOAB can be used in the synthesis of nanomaterials due to its ability to selectively transfer ions across interfaces and as a surfactant in the production of emulsions and foams. It is valued for its amphiphilic properties, which allow it to interact with water and oils, stabilizing and dispersing mixtures.
In Vitro	Trimethyloctylammonium bromide is a biochemical reagent that can be used as a biological material or organic compound for life science related research. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

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

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