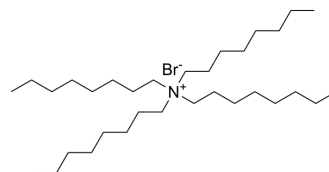


Tetraoctylammonium bromide

Cat. No.:	HY-W018574
CAS No.:	14866-33-2
Molecular Formula:	C ₃₂ H ₆₈ BrN
Molecular Weight:	546.79
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 (182.89 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.8289 mL	9.1443 mL	18.2886 mL
	5 mM	0.3658 mL	1.8289 mL	3.6577 mL
	10 mM	0.1829 mL	0.9144 mL	1.8289 mL

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

BIOLOGICAL ACTIVITY

Description

Tetraoctylammonium bromide (TOAB) is a quaternary ammonium salt consisting of a positively charged tetraoctylammonium cation and a negatively charged bromide anion. This compound is commonly used as a phase transfer catalyst in organic chemical reactions, facilitating the transfer of reactants between immiscible phases. It is also used as a surfactant and dispersant in various industrial applications, for example in the production of coatings, adhesives and polymers. Additionally, Tetraoctylammonium bromide has been investigated for potential applications in energy storage devices and as an antimicrobial agent.

In Vitro

Tetraoctylammonium 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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