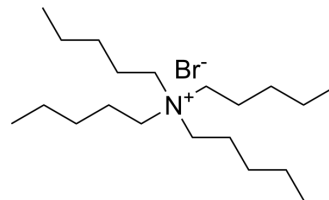


Tetrapentylammonium bromide

Cat. No.:	HY-W011052
CAS No.:	866-97-7
Molecular Formula:	C ₂₀ H ₄₄ BrN
Molecular Weight:	378.48
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 (264.21 mM; Need ultrasonic)					
		Solvent Concentration	Mass	1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	2.6421 mL	13.2107 mL	26.4215 mL	
		5 mM	0.5284 mL	2.6421 mL	5.2843 mL	
		10 mM	0.2642 mL	1.3211 mL	2.6421 mL	
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (6.61 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (6.61 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (6.61 mM); Clear solution 					

BIOLOGICAL ACTIVITY

Description	Tetrapentylammonium bromide is a quaternary ammonium salt consisting of a positively charged tetrapentylammonium cation and a negatively charged bromide anion. This compound is commonly used as a phase transfer catalyst in organic synthesis reactions to facilitate the transfer of reactants between immiscible phases. It is also used in the production of surfactants, detergents and the synthesis of pharmaceuticals.
In Vitro	Tetrapentylammonium 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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