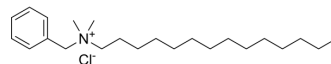


Benzyltrimethyltetradecylammonium chloride

Cat. No.:	HY-W011087		
CAS No.:	139-08-2		
Molecular Formula:	C ₂₃ H ₄₂ ClN		
Molecular Weight:	368.05		
Target:	Biochemical Assay Reagents		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (271.70 mM; Need ultrasonic)					
		Solvent Concentration	Mass	1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM		2.7170 mL	13.5851 mL	27.1702 mL
		5 mM		0.5434 mL	2.7170 mL	5.4340 mL
10 mM			0.2717 mL	1.3585 mL	2.7170 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 (6.79 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (6.79 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (6.79 mM); Clear solution 					

BIOLOGICAL ACTIVITY

Description	Benzyltrimethyltetradecylammonium chloride is a quaternary ammonium salt consisting of a positively charged N-benzyl-N,N-dimethyltetradecyl-1-amine cation and a negatively charged chloride anion. The compound is commonly used as a surfactant and emulsifier in a variety of applications including detergents, fabric softeners and personal care products. It also has antimicrobial properties and is used as a disinfectant or antiseptic in some products.
In Vitro	Benzyltrimethyltetradecylammonium chloride 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.

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