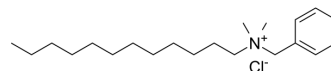


Lauryl benzalkonium chloride

Cat. No.:	HY-B1549
CAS No.:	139-07-1
Molecular Formula:	C ₂₁ H ₃₈ ClN
Molecular Weight:	339.99
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 (294.13 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions		1 mg	5 mg	10 mg
		1 mM	2.9413 mL	14.7063 mL	29.4126 mL
		5 mM	0.5883 mL	2.9413 mL	5.8825 mL
10 mM	0.2941 mL	1.4706 mL	2.9413 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 (7.35 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (7.35 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (7.35 mM); Clear solution 				

BIOLOGICAL ACTIVITY

Description	Lauryl benzalkonium chloride is a cationic surfactant ^[1] .
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REFERENCES

[1]. J. W. Jordan, et al. Organophilic Clay-Base Thickeners. Clays and Clay Minerals volume 10, pages299–308 (1961).

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

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