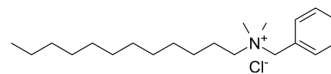


## Lauryl benzalkonium chloride

<b>Cat. No.:</b>	HY-B1549
<b>CAS No.:</b>	139-07-1
<b>Molecular Formula:</b>	C <sub>21</sub> H <sub>38</sub> ClN
<b>Molecular Weight:</b>	339.99
<b>Target:</b>	Biochemical Assay Reagents
<b>Pathway:</b>	Others
<b>Storage:</b>	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 100 mg/mL (294.13 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	<b>Preparing Stock Solutions</b>	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.					
<b>In Vivo</b>	<ol style="list-style-type: none"> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 40% PEG300 &gt;&gt; 5% Tween-80 &gt;&gt; 45% saline Solubility: ≥ 2.5 mg/mL (7.35 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (7.35 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% corn oil Solubility: ≥ 2.5 mg/mL (7.35 mM); Clear solution</li> </ol>				

### BIOLOGICAL ACTIVITY

<b>Description</b>	Lauryl benzalkonium chloride is a cationic surfactant <sup>[1]</sup> .
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### REFERENCES

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

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**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](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA