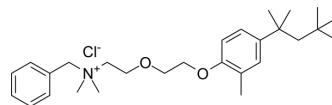


## Methylbenzethonium chloride

<b>Cat. No.:</b>	HY-W250302
<b>CAS No.:</b>	25155-18-4
<b>Molecular Formula:</b>	C <sub>28</sub> H <sub>44</sub> ClNO <sub>2</sub>
<b>Molecular Weight:</b>	462.11
<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 : 25 mg/mL (54.10 mM); ultrasonic and warming and heat to 60°C																					
	<table border="1"> <thead> <tr> <th rowspan="2">Solvent</th> <th rowspan="2">Mass</th> <th colspan="3">Concentration</th> </tr> <tr> <th>1 mg</th> <th>5 mg</th> <th>10 mg</th> </tr> </thead> <tbody> <tr> <td rowspan="3">Preparing Stock Solutions</td> <td>1 mM</td> <td>2.1640 mL</td> <td>10.8199 mL</td> <td>21.6399 mL</td> </tr> <tr> <td>5 mM</td> <td>0.4328 mL</td> <td>2.1640 mL</td> <td>4.3280 mL</td> </tr> <tr> <td>10 mM</td> <td>0.2164 mL</td> <td>1.0820 mL</td> <td>2.1640 mL</td> </tr> </tbody> </table>	Solvent	Mass	Concentration			1 mg	5 mg	10 mg	Preparing Stock Solutions	1 mM	2.1640 mL	10.8199 mL	21.6399 mL	5 mM	0.4328 mL	2.1640 mL	4.3280 mL	10 mM	0.2164 mL	1.0820 mL	2.1640 mL
Solvent	Mass			Concentration																		
		1 mg	5 mg	10 mg																		
Preparing Stock Solutions	1 mM	2.1640 mL	10.8199 mL	21.6399 mL																		
	5 mM	0.4328 mL	2.1640 mL	4.3280 mL																		
	10 mM	0.2164 mL	1.0820 mL	2.1640 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: ≥ 1.25 mg/mL (2.70 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% (20% SBE-β-CD in saline) Solubility: ≥ 1.25 mg/mL (2.70 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% corn oil Solubility: ≥ 1.25 mg/mL (2.70 mM); Clear solution</li> </ol>																					

### BIOLOGICAL ACTIVITY

<b>Description</b>	Methylbenzethonium chloride is a quaternary ammonium compound commonly used as a preservative and disinfectant in a variety of personal care and healthcare products. Methylbenzethonium chloride has several properties that make it suitable for these applications, including its broad-spectrum antibacterial activity against bacteria, viruses and fungi. In addition, it is used as a preservative in cosmetic and pharmaceutical formulations to prevent the growth of microorganisms.
<b>In Vitro</b>	Methyl benzethonium 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](mailto:tech@MedChemExpress.com)

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