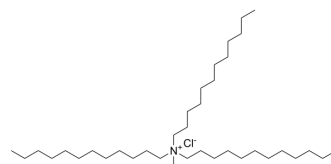


## Tridodecylmethylammonium chloride

<b>Cat. No.:</b>	HY-W250177
<b>CAS No.:</b>	7173-54-8
<b>Molecular Formula:</b>	C <sub>37</sub> H <sub>76</sub> ClN
<b>Molecular Weight:</b>	572.47
<b>Target:</b>	Biochemical Assay Reagents
<b>Pathway:</b>	Others
<b>Storage:</b>	-20°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (174.68 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	1.7468 mL	8.7341 mL	17.4682 mL
5 mM	0.3494 mL	1.7468 mL	3.4936 mL
10 mM	0.1747 mL	0.8734 mL	1.7468 mL

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

Tridodecylmethylammonium chloride, also known as TDMAC, is a cationic surfactant commonly used in various industrial and research applications. It belongs to the family of quaternary ammonium compounds and has a positively charged head and a hydrophobic tail, which allows it to be used as a detergent, emulsifier and antimicrobial. Known for its ability to disrupt cell membranes, TDMAC is frequently used in microbiology for the selective isolation and identification of bacteria.

#### In Vitro

Tridodecyl methyl ammonium 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.**

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