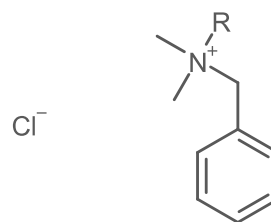


Benzalkonium chloride

Chemical Properties

CAS No. : 8001-54-5
Formula: C₆H₅CH₂N(CH₃)₂RCl (R=C₈H₁₇ to C₁₈H₃₇)
Molecular Weight:
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Benzalkonium chloride (Alkyldimethylbenzylammonium chloride) is a cationic surface-acting agent containing the quaternary ammonium group. It has three main categories of use: as a cationic surfactant, a biocide, and phase transfer agent in the chemical industry. This compound is a heterogeneous mixture of alkylbenzyltrimethylammonium chlorides of multiple even-numbered alkyl chain lengths.
Targets(IC50)	Others,Antibacterial

Solubility Information

Solubility	DMSO: 50 mg/mL,Sonication is recommended. H ₂ O: 20 mg/mL, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Reference

Baudouin C, et al. Prog Retin Eye Res. 2010 Jul;29(4):312-34.

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