

Cisatracurium besylate

Chemical Properties

CAS No. : 96946-42-8

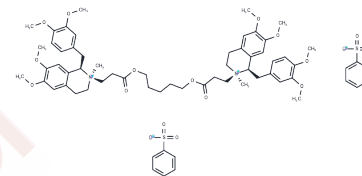
Formula: C53H72N2O12·2C6H5O3S

Molecular Weight: 1243.48

Store at low temperature, Keep away from direct sunlight

Storage: Pure form: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

| | |
|---------------|---|
| Description | Cisatracurium besylate (51W89) is a nondepolarizing skeletal muscle relaxant intended for intravenous administration. |
| Targets(IC50) | Adrenergic Receptor, AChR, Autophagy |

Solubility Information

| | |
|------------|---|
| Solubility | Ethanol: 229 mg/mL (184.16 mM), Sonication is recommended. DMSO: 229 mg/mL (184.16 mM), Sonication is recommended. H2O: 43 mg/mL (34.58 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|---|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|-----------|
| 1 mM | 0.8042 mL | 4.021 mL | 8.0419 mL |
| 5 mM | 0.1608 mL | 0.8042 mL | 1.6084 mL |
| 10 mM | 0.0804 mL | 0.4021 mL | 0.8042 mL |
| 50 mM | 0.0161 mL | 0.0804 mL | 0.1608 mL |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Dieye E, et al. Ann Intensive Care. 2014 Feb 11;4(1):3.

Sakita K M, Vendramini F A V R, Svidzinski T I E, et al. Structure-based drug design of multi-targeting inhibitors of human pathogen fungi. Journal of Molecular Structure. 2023: 135693.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481