

Tigecycline hydrochloride

Chemical Properties

CAS No.:	197654-04-9
Formula:	C ₂₉ H ₄₀ CIN ₅ O ₈
Molecular Weight:	622.11
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	Tigecycline hydrochloride is a first-in-class, broad-spectrum antibiotic. It also has activity against antibiotic-resistant organisms.
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Solubility Information

Solubility	DMSO: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.607 mL	8.037 mL	16.074 mL
5 mM	0.321 mL	1.607 mL	3.215 mL
10 mM	0.161 mL	0.804 mL	1.607 mL
50 mM	0.032 mL	0.161 mL	0.321 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Nicholas Kwiatkowski, Tinghu Zhang, Peter B. Rahl et al. Targeting transcription regulation in cancer with a covalent CDK7 inhibitor. Nature, 2014.

Inhibitors · Natural Compounds · Compound Libraries

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