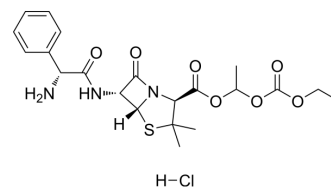


Bacampicillin hydrochloride

Cat. No.: HY-B1149A
CAS No.: 37661-08-8
Molecular Formula: C₂₁H₂₈ClN₃O₇S
Molecular Weight: 501.98
Storage: 4°C, sealed storage, away from moisture
 * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 125 mg/mL (249.01 mM; Need ultrasonic)					
		Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions		1 mM		1.9921 mL	9.9606 mL	19.9211 mL
		5 mM		0.3984 mL	1.9921 mL	3.9842 mL
		10 mM		0.1992 mL	0.9961 mL	1.9921 mL
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.08 mg/mL (4.14 mM); Clear solution 2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (4.14 mM); Clear solution 3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (4.14 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Bacampicillin hydrochloride is a penicillin antibiotic, is a prodrug of ampicillin with improved oral bioavailability.
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Caution: Product has not been fully validated for medical applications. For research use only.

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