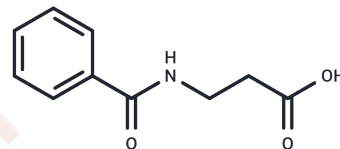


Betamipron

Chemical Properties

CAS No. :	3440-28-6
Formula:	C ₁₀ H ₁₁ NO ₃
Molecular Weight:	193.2
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Betamipron (CS-443) is used combination with panipenem to prevent nephrotoxicity and inhibit panipenem uptake into the renal tubule.
Targets(IC50)	Antibacterial,Antibiotic
In vivo	Panipenem is a non-intestinal carbapenem-class antibiotic that demonstrates antimicrobial activity against both Gram-negative/positive aerobic bacteria and anaerobic bacteria, including Streptococcus pneumoniae and species producing β -lactamase.

Solubility Information

Solubility	Ethanol: 37 mg/mL (191.51 mM),Sonication is recommended. H ₂ O: < 1 mg/mL (insoluble or slightly soluble), DMSO: 50 mg/mL (258.8 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.176 mL	25.8799 mL	51.7598 mL
5 mM	1.0352 mL	5.176 mL	10.352 mL
10 mM	0.5176 mL	2.588 mL	5.176 mL
50 mM	0.1035 mL	0.5176 mL	1.0352 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.

Reference

- Ohashi N, et al. J Infect Chemother, 2005, 11(1), 24-31.
Goa KL, et al. Drugs, 2003, 63(9), 913-925.

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