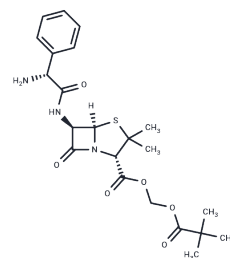


Pivampicillin

Chemical Properties

CAS No. :	33817-20-8
Formula:	C ₂₂ H ₂₉ N ₃ O ₆ S
Molecular Weight:	463.55
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Pivampicillin, a pivalate ester analog of Ampicillin, is used to treat chronic obstructive pulmonary disease (COPD) in children and young adults.
Targets(IC50)	Others,Antibacterial,Antibiotic

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	2.1573 mL	10.7863 mL	21.5726 mL
5 mM	0.4315 mL	2.1573 mL	4.3145 mL
10 mM	0.2157 mL	1.0786 mL	2.1573 mL
50 mM	0.0431 mL	0.2157 mL	0.4315 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

Winther L, Baptiste KE, Friis C. Pharmacokinetics in pulmonary epithelial lining fluid and plasma of ampicillin and pivampicillin administered to horses. *Res Vet Sci.* 2012 Feb;92(1):111-5. doi: 10.1016/j.rvsc.2010.11.001. Epub 2010 Dec 7. PubMed PMID: 21144541.

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Bukh N. Double-blind comparison of pivmecillinam plus pivampicillin ('Miraxid') with pivampicillin alone in chronic bronchitis: a Danish multi-centre study. *Pharmatherapeutica.* 1983;3(6):422-8. PubMed PMID: 6312461.

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