

Sulbactam pivoxil

Chemical Properties

CAS No.:	69388-79-0
Formula:	C ₁₄ H ₂₁ NO ₇ S
Molecular Weight:	347.38
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	Sulbactam pivoxil is an irreversible inhibitor of β -lactamase.
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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	2.879 mL	14.393 mL	28.787 mL
5 mM	0.576 mL	2.879 mL	5.757 mL
10 mM	0.288 mL	1.439 mL	2.879 mL
50 mM	0.058 mL	0.288 mL	0.576 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. Changov LS, Vassileva BK, Confino MN, Agapova NN. An efficient method for the synthesis of sulbactam pivoxil. *Farmaco*. 2000 Feb;55(2):134-5. PubMed PMID: 10782385.
2. Davies BJ, Maesen FP, Jevons S, Brouwers J. Combination of sulbactam pivoxyl and bacampicillin in acute exacerbations of chronic bronchitis. *J Antimicrob Chemother*. 1982 Nov;10(5):445-52. PubMed PMID: 6294045.
3. Pei Q, Yang GP, Li ZJ, Peng XD, Fan JH, Liu ZQ. Simultaneous analysis of amoxicillin and sulbactam in human plasma by HPLC-DAD for assessment of bioequivalence. *J Chromatogr B Analyt Technol Biomed Life Sci*. 2011 Jul 1;879(21):2000-4. doi: 10.1016/j.jchromb.2011.05.021. PubMed PMID: 21680260.
4. Abdenur JE, Chamoles NA, Guinle AE, Schenone AB, Fuertes AN. Diagnosis of isovaleric acidemia by tandem mass spectrometry: false positive result due to pivaloylcarnitine in a newborn screening programme. *J Inher Metab Dis*. 1998 Aug;21(6):624-30. PubMed PMID: 9762597.

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