

Lymecycline

Chemical Properties

CAS No.:	992-21-2
Formula:	C ₂₉ H ₃₈ N ₄ O ₁₀
Molecular Weight:	602.64
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	Lymecycline is a semisynthetic antibiotic. It is related to TETRACYCLINE.
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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	1.659 mL	8.297 mL	16.594 mL
5 mM	0.332 mL	1.659 mL	3.319 mL
10 mM	0.166 mL	0.830 mL	1.659 mL
50 mM	0.033 mL	0.166 mL	0.332 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. Stanisz BJ, Paszun SK, Zalewska A. Stability of cilazapril in pediatric oral suspensions prepared from commercially available tablet dosage forms. *Acta Pol Pharm.* 2014 Jul-Aug;71(4):661-6. PubMed PMID: 25272892.
2. Paszun SK, Stanisz BJ, Gradowska A. Cilazapril stability in the presence of hydrochlorothiazide in model mixtures and fixed dose combination. *Acta Pol Pharm.* 2013 Nov-Dec;70(6):1079-85. PubMed PMID: 24383331.
3. Kolocouri F, Dotsikas Y, Apostolou C, Kousoulos C, Soumelas GS, Loukas YL. Advantages of automation in plasma sample preparation prior to HPLC/MS/MS quantification: application to the determination of cilazapril and cilazaprilat in a bioequivalence study. *J AOAC Int.* 2011 May-Jun;94(3):758-64. PubMed PMID: 21797003.
4. Łukawski K, Jakubus T, Janowska A, Raszewski G, Czuczwar SJ. Enalapril enhances the anticonvulsant activity of lamotrigine in the test of maximal electroshock. *Pharmacol Rep.* 2013;65(4):1012-7. PubMed PMID: 24145096.

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