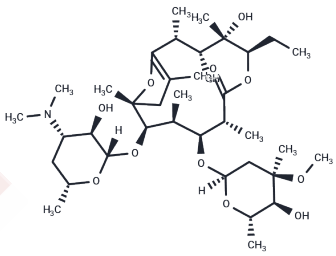
Data Sheet (Cat.No.T21572)

TargetMol

Erythromycin A enol ether

Chemical Properties



CAS No. : 33396-29-1

Formula: C37H65NO12

Molecular Weight: 715.91

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	Erythromycin A enol ether is a degradation product of Erythromycin A which is a macrolide antibiotic.
Targets(IC50)	Others,Antibiotic

Solubility Information

Solubility	DMSO: Slightly soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3968 mL	6.9841 mL	13.9682 mL
5 mM	0.2794 mL	1.3968 mL	2.7936 mL
10 mM	0.1397 mL	0.6984 mL	1.3968 mL
50 mM	0.0279 mL	0.1397 mL	0.2794 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

Abdolreza Hassanzadeh, et al. Mechanism for the degradation of erythromycin A and erythromycin A 2'-ethyl succinate in acidic aqueous solution. J Phys Chem A. 2007 Oct 11;111(40):10098-104.
A Deubel, et al. Development of an enhanced separation of erythromycin and its related substances by liquid chromatography. J Pharm Biomed Anal. 2007 Jan 17;43(2):493-8.

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