

3-keto Fusidic Acid

Chemical Properties

CAS No. :	4680-37-9
Formula:	C ₃₁ H ₄₆ O ₆
Molecular Weight:	514.703
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	3-keto Fusidic acid (3-keto FA) is an active metabolite of the antibiotic fusidic acid .13-keto FA is active againstM. tuberculosis(MIC ₉₉ = 1.25 μM).
Targets(IC50)	Others,Drug Metabolite

Solubility Information

Solubility	Chloroform: Slightly soluble Methanol: Slightly soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9429 mL	9.7144 mL	19.4288 mL
5 mM	0.3886 mL	1.9429 mL	3.8858 mL
10 mM	0.1943 mL	0.9714 mL	1.9429 mL
50 mM	0.0389 mL	0.1943 mL	0.3886 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

Strydom, N., Kaur, G., Dziwornu, G.A., et al. Pharmacokinetics and organ distribution of C₃ alkyl esters as potential antimycobacterial prodrugs of fusidic acid ACS Infect. Dis.6(3)459-466(2020)

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481