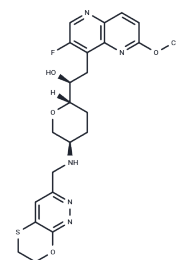


ACT-387042

Chemical Properties

CAS No. : 1229514-11-7
 Formula: C₂₃H₂₆FN₅O₄S
 Molecular Weight: 487.55
 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	ACT-387042 is a Bacterial Topoisomerase Inhibitor, it has broad-spectrum activity against Gram-positive and Gram-negative bacteria.
Targets(IC50)	Others,Topoisomerase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0511 mL	10.2554 mL	20.5107 mL
5 mM	0.4102 mL	2.0511 mL	4.1021 mL
10 mM	0.2051 mL	1.0255 mL	2.0511 mL
50 mM	0.041 mL	0.2051 mL	0.4102 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

Lepak AJ, Seiler P, Surivet JP, Ritz D, Kohl C, Andes DR. In Vivo Pharmacodynamic Target Investigation of Two Bacterial Topoisomerase Inhibitors, ACT-387042 and ACT-292706, in the Neutropenic Murine Thigh Model against Streptococcus pneumoniae and Staphylococcus aureus. Antimicrob Agents Chemother. 2016 May 23;60(6):3626-32. doi: 10.1128/AAC.00363-16. Print 2016 Jun. PubMed PMID: 27044547; PubMed Central PMCID: PMC4879394.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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