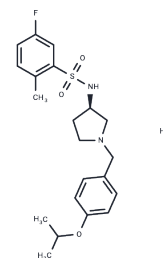


(R)-Gyramide A hydrochloride

Chemical Properties

CAS No. :	1793050-70-0
Formula:	C ₂₁ H ₂₈ ClFN ₂ O ₃ S
Molecular Weight:	442.97
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	(R)-Gyramide A hydrochloride is a bacterial DNA gyrase inhibitor that disrupts superhelical activity (IC ₅₀ : 875 μM) and exhibits antibacterial activity against <i>Pseudomonas aeruginosa</i> E. coli with MIC values of 10-80 μM, without affecting the closely related enzyme topoisomerase IV.
Targets(IC ₅₀)	Others,Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2575 mL	11.2874 mL	22.5749 mL
5 mM	0.4515 mL	2.2575 mL	4.515 mL
10 mM	0.2257 mL	1.1287 mL	2.2575 mL
50 mM	0.0451 mL	0.2257 mL	0.4515 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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