

MF 5137

Chemical Properties

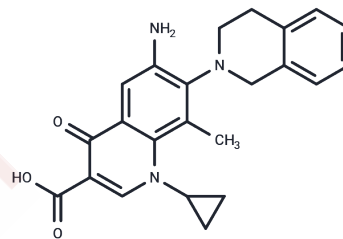
CAS No. : 148927-23-5

Formula: C₂₃H₂₃N₃O₃

Molecular Weight: 389.45

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	MF 5137 is an effective antimicrobial agent.
Targets(IC50)	Antibacterial
In vitro	MF 5137 is rapidly photodegraded upon UVA irradiation, yielding a toxic photoproduct. [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5677 mL	12.8386 mL	25.6772 mL
5 mM	0.5135 mL	2.5677 mL	5.1354 mL
10 mM	0.2568 mL	1.2839 mL	2.5677 mL
50 mM	0.0514 mL	0.2568 mL	0.5135 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

Viola G, et al. 6-Aminoquinolones: photostability, cellular distribution and phototoxicity. Toxicol In Vitro. 2004 Oct; 18(5):581-92.

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