

YFJ-36

Chemical Properties

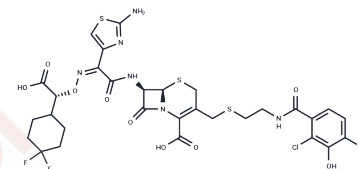
CAS No. :

Formula: C₃₀H₃₁ClF₂N₆O₁₀S₃

Molecular Weight: 805.25

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	YFJ-36 is an antibiotic that demonstrates superior and broad-spectrum antibacterial activity in vitro compared to cefiderocol, particularly against <i>A. baumannii</i> and <i>K. pneumoniae</i> . In a systemic infection model in mice, YFJ-36 exhibits strong in vivo efficacy. Additionally, the compound shows enhanced physicochemical stability in liquid media with a pH of 6-8 and is noteworthy for its potential to reduce allergy risk due to its quaternary ammonium bond.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2419 mL	6.2093 mL	12.4185 mL
5 mM	0.2484 mL	1.2419 mL	2.4837 mL
10 mM	0.1242 mL	0.6209 mL	1.2419 mL
50 mM	0.0248 mL	0.1242 mL	0.2484 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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