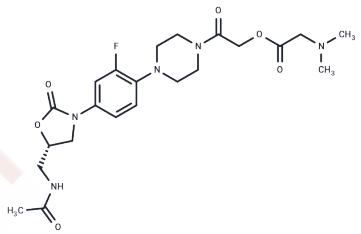
Data Sheet (Cat.No.T11427)

TargetMol

Antibacterial compound 2

Chemical Properties



CAS No. : 170104-58-2

Formula: C22H30FN5O6

Molecular Weight: 479.5

Storage: Store at low temperature
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	Antibacterial compound 2 is a potent antimicrobial agent effective against many human veterinary pathogens, inhibiting multi-drug resistant staphylococci, enterococci and streptococci, as well as anaerobic bacteria.
Targets(IC50)	Antibacterial,Antifungal
In vitro	Compound 2 (also referred to as Compound example 9) is a valuable antimicrobial agent, demonstrating effectiveness against a range of pathogens in both human and veterinary contexts. This includes multiply-resistant staphylococci, enterococci, and streptococci. Additionally, Compound 2 exhibits efficacy against anaerobic organisms like Bacteroides and Clostridia species, as well as acid-fast organisms such as Mycobacterium tuberculosis[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0855 mL	10.4275 mL	20.8551 mL
5 mM	0.4171 mL	2.0855 mL	4.171 mL
10 mM	0.2086 mL	1.0428 mL	2.0855 mL
50 mM	0.0417 mL	0.2086 mL	0.4171 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

Brickner, Steven J, et al. Esters of substituted-hydroxyacetyl piperazine phenyl oxazolidinones.US 5652238.

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