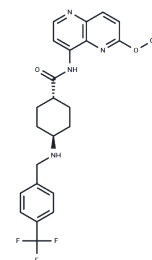


NBTIs-IN-5

Chemical Properties

CAS No. : 2767443-78-5
 Formula: C₂₄H₂₅F₃N₄O₂
 Molecular Weight: 458.48
 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	NBTIs-IN-5 (Compound 5r) is a novel bacterial topoisomerase inhibitor (NBTI) DNA gyrase inhibitor that acts on Mycobacterium abscessus (Mabs) DNA procyclase (IC ₅₀ : 1.5 μM), showing inhibitory effects on the growth of Mabsbamboo bacteria (MIC ₉₀ : 0.4 μM).
Targets(IC ₅₀)	Others,Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1811 mL	10.9056 mL	21.8112 mL
5 mM	0.4362 mL	2.1811 mL	4.3622 mL
10 mM	0.2181 mL	1.0906 mL	2.1811 mL
50 mM	0.0436 mL	0.2181 mL	0.4362 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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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481