

Pks13-IN-1

Chemical Properties

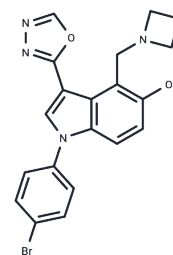
CAS No. :

Formula: C₂₀H₁₇BrN₄O₂

Molecular Weight: 425.279

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	Pks13-IN-1 (Compound 44) is an orally active inhibitor of Mycobacterium tuberculosis polyketide synthase 13 (Pks13). It inhibits the M. tuberculosis H37Rv strain with a minimum inhibitory concentration (MIC) of 0.07 µM. In mouse models, Pks13-IN-1 demonstrates antibacterial activity.
Targets(IC50)	Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3514 mL	11.757 mL	23.5139 mL
5 mM	0.4703 mL	2.3514 mL	4.7028 mL
10 mM	0.2351 mL	1.1757 mL	2.3514 mL
50 mM	0.047 mL	0.2351 mL	0.4703 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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