

HBV-IN-41

Chemical Properties

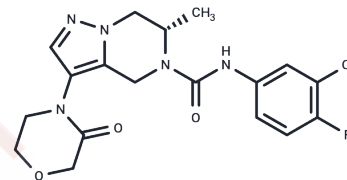
CAS No. : 1967002-25-0

Formula: C₁₈H₁₉ClFN₅O₃

Molecular Weight: 407.83

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	HBV-IN-41 (compound 45) is a potent, orally active inhibitor of Hepatitis B Virus (HBV) with an EC ₅₀ value of 0.027 μM [1].
Targets(IC ₅₀)	HBV
In vivo	HBV-IN-41 (compound 45), administered orally at a dosage of 20 mg/kg, twice daily (BID) for one week, effectively suppressed HBV DNA viral loads in the HBV AAV mouse model [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.452 mL	12.260 mL	24.520 mL
5 mM	0.4904 mL	2.452 mL	4.904 mL
10 mM	0.2452 mL	1.226 mL	2.452 mL
50 mM	0.049 mL	0.2452 mL	0.4904 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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