

MK-6186

## Chemical Properties

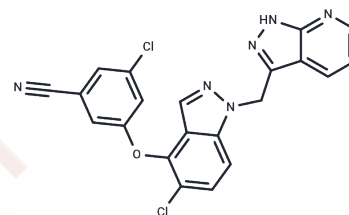
CAS No. : 1034474-19-5

Formula: C<sub>21</sub>H<sub>12</sub>Cl<sub>2</sub>N<sub>6</sub>O

Molecular Weight: 435.27

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	MK-6186 is a novel non-nucleoside reverse transcriptase inhibitor with antiviral activity for the study of viral infections.
Targets(IC50)	Reverse Transcriptase,Endogenous Metabolite
In vitro	MK-6186 showed FCs of <10 against EFV or etravirine (ETR) and the mutant viruses containing mutations selected by EFV or ETR were sensitive to MK-6186 (FCs of <10).[1]

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2974 mL	11.4871 mL	22.9742 mL
5 mM	0.4595 mL	2.2974 mL	4.5948 mL
10 mM	0.2297 mL	1.1487 mL	2.2974 mL
50 mM	0.0459 mL	0.2297 mL	0.4595 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

Lu M, et al. Antiviral activity and in vitro mutation development pathways of MK-6186, a novel nonnucleoside reverse transcriptase inhibitor. Antimicrob Agents Chemother. 2012 Jun;56(6):3324-35.

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