

Mk-6186 HCl

## Chemical Properties

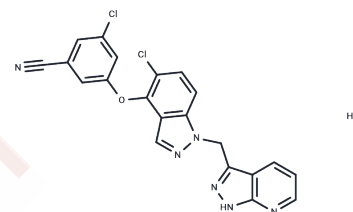
CAS No. :

Formula: C<sub>21</sub>H<sub>13</sub>Cl<sub>3</sub>N<sub>6</sub>O

Molecular Weight: 471.73

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 HCl, a novel non-nucleoside reverse transcriptase inhibitor with antiviral activity, can be used to study HIV.
Targets(IC50)	HIV Protease,Reverse Transcriptase

## Solubility Information

Solubility	DMSO: 55 mg/mL (116.59 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1199 mL	10.5993 mL	21.1986 mL
5 mM	0.424 mL	2.1199 mL	4.2397 mL
10 mM	0.212 mL	1.0599 mL	2.1199 mL
50 mM	0.0424 mL	0.212 mL	0.424 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, Felock PJ, Munshi V, Hrin RC, Wang YJ, Yan Y, Munshi S, McGaughey GB, Gomez R, Anthony NJ, Williams TM, Grobler JA, Hazuda DJ, McKenna PM, Miller MD, Lai MT. 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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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