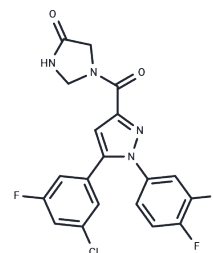


AIC-292

## Chemical Properties

CAS No. : 1187917-12-9  
 Formula: C<sub>19</sub>H<sub>12</sub>Cl<sub>2</sub>F<sub>2</sub>N<sub>4</sub>O<sub>2</sub>  
 Molecular Weight: 437.23  
 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	AIC-292 is a potent reverse transcriptase inhibitor with well tolerated in different cell lines. In addition, activity of AIC292 could be demonstrated against a broad panel of wild-type HIV-1 group. AIC292 also retained activity against viruses harboring NNRTI resistance-associated mutations (RAMs), including the most prevalent variants, K103N, G190A and Y181C.
Targets(IC50)	Others,HIV Protease

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2871 mL	11.4356 mL	22.8713 mL
5 mM	0.4574 mL	2.2871 mL	4.5743 mL
10 mM	0.2287 mL	1.1436 mL	2.2871 mL
50 mM	0.0457 mL	0.2287 mL	0.4574 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

Wildum S, Paulsen D, Thede K, Ruebsamen-Schaeff H, Zimmermann H. In vitro and in vivo activities of AIC292, a novel HIV-1 nonnucleoside reverse transcriptase inhibitor. Antimicrob Agents Chemother. 2013 Nov;57(11):5320-9. doi: 10.1128/AAC.01377-13. PubMed PMID: 23959304; PubMed Central PMCID: PMC3811302.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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