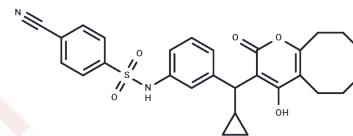


PNU-103017

## Chemical Properties

CAS No. : 166335-18-8  
 Formula: C<sub>28</sub>H<sub>28</sub>N<sub>2</sub>O<sub>5</sub>  
 Molecular Weight: 504.6  
 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	PNU-103017 is an inhibitor of HIV protease.
Targets(IC50)	HIV Protease
In vivo	PNU-103017 is a racemic mixture of two enantiomers, designated PNU-103264 (R-) and PNU-103265 (S-). PNU-103017 is a selective HIV aspartyl protease inhibitor under evaluation as a potential oral treatment of Acquired Immunodeficiency Diseases. The C <sub>max</sub> (P≤0.0349), C <sub>min</sub> (P≤0.0168), and C <sub>av</sub> (P≤0.0118) are significantly higher for the (R)- than the (S)-enantiomer, displaying enantioselective pharmacokinetics of PNU-103017 in the dog[1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9818 mL	9.9088 mL	19.8177 mL
5 mM	0.3964 mL	1.9818 mL	3.9635 mL
10 mM	0.1982 mL	0.9909 mL	1.9818 mL
50 mM	0.0396 mL	0.1982 mL	0.3964 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

Williams MG, et al. Stereospecific determination of an HIV aspartyl protease inhibitor, PNU-103017, in rat, dog and human plasma using a Pirkle-concept high-performance liquid chromatographic column.

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