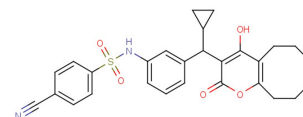


PNU-103017

Chemical Properties

CAS No.:	166335-18-8
Formula:	C ₂₈ H ₂₈ N ₂ O ₅ S
Molecular Weight:	504.6
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

**Biological Description**

Description	PNU-103017 is an inhibitor of HIV protease.
Targets(IC ₅₀)	HIV protease: None
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 _{max} (P≤0.0349), C _{min} (P≤0.0168), and C _{av} (P≤0.0118) are significantly higher for the (R)- than the (S)-enantiomer, displaying enantioselective pharmacokinetics of PNU-103017 in the dog[1].

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.982 mL	9.909 mL	19.818 mL
5 mM	0.396 mL	1.982 mL	3.964 mL
10 mM	0.198 mL	0.991 mL	1.982 mL
50 mM	0.04 mL	0.198 mL	0.396 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. 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.

Inhibitors · Natural Compounds · Compound Libraries

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use.

Tel:781-999-4286

E-mail:info@targetmol.com

Address:36 Washington Street,Wellesley Hills,MA 02481