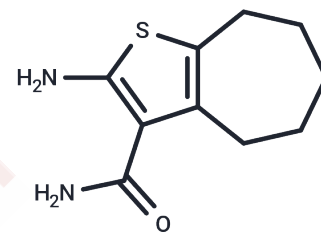


NSC727447

## Chemical Properties

CAS No. : 40106-12-5  
 Formula: C<sub>10</sub>H<sub>14</sub>N<sub>2</sub>O<sub>2</sub>  
 Molecular Weight: 210.30  
 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	NSC727447 is an inhibitor targeting ribonuclease H (Rnase H) in both HIV-1 and HIV-2. It exhibits minimal activity against E. coli RNase H, demonstrating significant selectivity for human Rnase H with IC <sub>50</sub> values of 2.0 μM, 2.5 μM, 100 μM, and 10.6 μM, respectively [1].
Targets(IC <sub>50</sub> )	HIV Protease,DNA/RNA Synthesis

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.7551 mL	23.7756 mL	47.5511 mL
5 mM	0.951 mL	4.7551 mL	9.5102 mL
10 mM	0.4755 mL	2.3776 mL	4.7551 mL
50 mM	0.0951 mL	0.4755 mL	0.951 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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

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