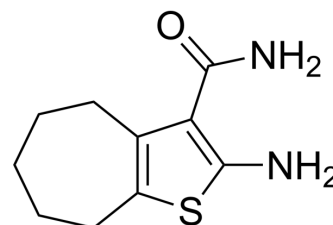


NSC727447

Cat. No.:	HY-W028350
CAS No.:	40106-12-5
Molecular Formula:	C ₁₀ H ₁₄ N ₂ OS
Molecular Weight:	210.3
Target:	HIV; DNA/RNA Synthesis
Pathway:	Anti-infection; Cell Cycle/DNA Damage
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 50 mg/mL (237.76 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	4.7551 mL	23.7756 mL	47.5511 mL
	5 mM	0.9510 mL	4.7551 mL	9.5102 mL
	10 mM	0.4755 mL	2.3776 mL	4.7551 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

NSC727447 is an inhibitor of ribonuclease H (Rnase H) of HIV-1 and HIV-2. NSC727447 has little activity against E. coli RNase H, but great selectivity over human Rnase H, with IC₅₀s value of 2.0 μM, 2.5 μM, 100 μM, 10.6 μM, respectively^[1].

REFERENCES

[1]. Michaela Wendeler, et al. Vinyllogous Ureas as a Novel Class of Inhibitors of Reverse Transcriptase-Associated Ribonuclease H Activity. ACS Chem Biol. 2008 Oct 17;3(10):635-44.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA