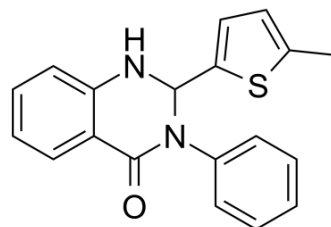


Retro-2 cycl

Cat. No.:	HY-114698		
CAS No.:	1429192-00-6		
Molecular Formula:	C ₁₉ H ₁₆ N ₂ OS		
Molecular Weight:	320.41		
Target:	Virus Protease; Arenavirus		
Pathway:	Anti-infection		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 125 mg/mL (390.13 mM)
 * "≥" means soluble, but saturation unknown.

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	3.1210 mL	15.6050 mL	31.2100 mL
5 mM	0.6242 mL	3.1210 mL	6.2420 mL
10 mM	0.3121 mL	1.5605 mL	3.1210 mL

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
 Solubility: ≥ 2.08 mg/mL (6.49 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
 Solubility: ≥ 2.08 mg/mL (6.49 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Retro-2 cycl (RN 1-001) is a dihydroquinazolinone (DHQZ) inhibitor of retrograde trafficking. Retro-2 cycl (RN 1-001) inhibits JCPyV and HPV16 pseudovirus with IC₅₀s of 54 μM and 160 μM, respectively^[1]. Antiviral agent^[1].

REFERENCES

- [1]. Carney DW, et al. Structural optimization of a retrograde trafficking inhibitor that protects cells from infections by human polyoma- and papillomaviruses. *Bioorg Med Chem.* 2014 Sep 1;22(17):4836-47.

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

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