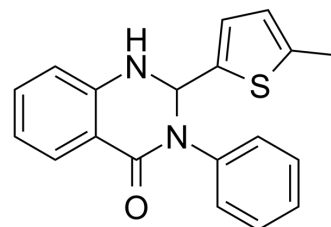


Retro-2 cycl

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



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 125 mg/mL (390.13 mM)

* "≥" means soluble, but saturation unknown.

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	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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