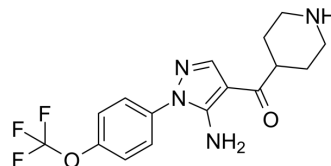


ARN1468

Cat. No.:	HY-150514		
CAS No.:	1381459-14-8		
Molecular Formula:	C ₁₆ H ₁₇ F ₃ N ₄ O ₂		
Molecular Weight:	354.33		
Target:	Others		
Pathway:	Others		
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 : 5.56 mg/mL (15.69 mM; ultrasonic and warming and heat to 60°C)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.8222 mL	14.1111 mL	28.2223 mL
5 mM	0.5644 mL	2.8222 mL	5.6445 mL
10 mM	0.2822 mL	1.4111 mL	2.8222 mL

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

BIOLOGICAL ACTIVITY

Description

ARN1468 (compound 5) is an orally active and potent serpins inhibitor. ARN1468 can inhibit serpins activity would set the protease free to further reduce prion accumulation. ARN1468 shows anti-prion effect in ScGT1 RML, ScGT1 22L, ScN2a RML, and ScN2a 22L cell lines, with EC₅₀ values of 8.64, 19.3, 11.2, and 6.27 μM^[1].

In Vivo

ARN1468 (compound 5) (3 mg/kg, IV; 10 mg/kg, PO; once) reveals low brain concentrations and high plasma clearance in male C57BL/6 mice^[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Colini Baldeschi A, et al. Innovative Non-PrP-Targeted Drug Strategy Designed to Enhance Prion Clearance. J Med Chem. 2022 Jun 30.

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

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