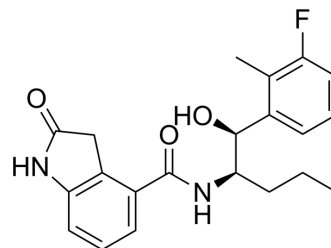


A1AT modulator 1

Cat. No.:	HY-134858		
CAS No.:	2406205-61-4		
Molecular Formula:	C ₂₁ H ₂₃ FN ₂ O ₃		
Molecular Weight:	370.42		
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 : 100 mg/mL (269.96 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.6996 mL	13.4982 mL	26.9964 mL
	5 mM	0.5399 mL	2.6996 mL	5.3993 mL
	10 mM	0.2700 mL	1.3498 mL	2.6996 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: 2.5 mg/mL (6.75 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: 2.5 mg/mL (6.75 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: 2.5 mg/mL (6.75 mM); Clear solution; Need ultrasonic

BIOLOGICAL ACTIVITY

Description

A1AT modulator 1 is a potent inhibitor of Z ai-antitrypsin polymerisation with a pIC₅₀ value of 8.3 ^[1].

REFERENCES

[1]. Marilyn E Ferrari, et al. Synergy between cationic lipid and co-lipid determines the macroscopic structure and transfection activity of lipoplexes. *Nucleic Acids Res.* 2002,

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

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