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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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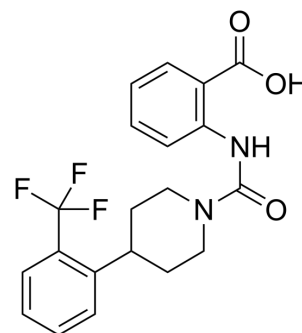
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A 1120

Cat. No.:	HY-107633
CAS No.:	1152782-19-8
Molecular Formula:	C ₂₀ H ₁₉ F ₃ N ₂ O ₃
Molecular Weight:	392.37
Target:	Transthyretin (TTR)
Pathway:	Neuronal Signaling
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 2 years -20°C 1 year



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (254.86 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM		2.5486 mL	12.7431 mL	25.4861 mL
		5 mM		0.5097 mL	2.5486 mL	5.0972 mL
		10 mM		0.2549 mL	1.2743 mL	2.5486 mL
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil					
	Solubility: ≥ 2.5 mg/mL (6.37 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	A 1120 is a high-affinity nonretinoid retinol-binding protein 4 (RBP4) antagonist with a K _i value of 8.3 nM. A 1120 disrupts the interaction between RBP4 and its binding partner transthyretin ^{[1][2]} .
IC ₅₀ & Target	Ki: 8.3 nM (Retinol-binding protein 4) ^[1]
In Vitro	The IC ₅₀ of A 1120 is 90 nM on human RBP4 and 66 nM on mouse RBP4 ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Motani A, et al. Identification and characterization of a non-retinoid ligand for retinol-binding protein 4 which lowers serum retinol-binding protein 4 levels in vivo. J

Biol Chem. 2009 Mar 20;284(12):7673-80.

[2]. Dobri N, et al. A1120, a nonretinoid RBP4 antagonist, inhibits formation of cytotoxic bisretinoids in the animal model of enhanced retinal lipofuscinogenesis. Invest Ophthalmol Vis Sci. 2013 Jan 7;54(1):85-95.

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

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