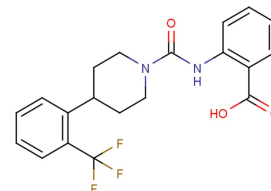


A 1120

Chemical Properties

CAS No.:	1152782-19-8
Formula:	C ₂₀ H ₁₉ F ₃ N ₂ O ₃
Molecular Weight:	392.37
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

**Biological Description**

Description	A 1120 is a nonretinoid retinol-binding protein 4 (RBP4) antagonist (K _i : 8.3 nM), which disrupts the interaction between RBP4 and its binding partner transthyretin.
Targets(IC ₅₀)	Retinol-binding protein 4(ki): ki:8.3 nM
In vitro	The IC ₅₀ of A 1120 is 66 nM on mouse RBP4 and 90 nM on human RBP4 [1].

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.549 mL	12.743 mL	25.486 mL
5 mM	0.51 mL	2.549 mL	5.097 mL
10 mM	0.255 mL	1.274 mL	2.549 mL
50 mM	0.051 mL	0.255 mL	0.51 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

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.

Inhibitors · Natural Compounds · Compound Libraries

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