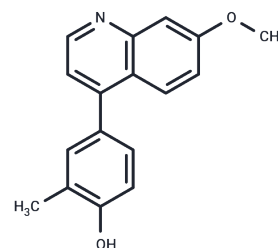


CU-CPT-9a

Chemical Properties

CAS No. :	2165340-32-7
Formula:	C17H15NO2
Molecular Weight:	265.31
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	CU-CPT-9a is a potent TLR8 inhibitor (IC ₅₀ : 0.5 nM), that suppresses TLR8-mediated proinflammatory signaling in various cell lines and human primary cells-
Targets(IC ₅₀)	TLR

Solubility Information

Solubility	DMSO: 150 mg/mL (565.38 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.7692 mL	18.8459 mL	37.6918 mL
5 mM	0.7538 mL	3.7692 mL	7.5384 mL
10 mM	0.3769 mL	1.8846 mL	3.7692 mL
50 mM	0.0754 mL	0.3769 mL	0.7538 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Yang W, Sun X, Liu S, et al. TLR8 agonist Motolimod-induced inflammatory death for treatment of acute myeloid leukemia. *Biomedicine & Pharmacotherapy*. 2023, 163: 114759. Zhang S, Hu Z, Tanji H, et al. Small-molecule

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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