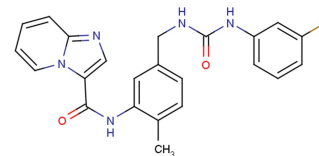


DDR Inhibitor

Chemical Properties

CAS No.:	1644069-80-6
Formula:	C ₂₃ H ₂₀ FN ₅ O ₂
Molecular Weight:	417.44
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	DDR inhibitor is a potent discoidin domain receptor (DDR) inhibitor. The IC ₅₀ of DDR2 is 3.3 nM, and DDR1 has 53% inhibition at 1.5 nM.
Targets(IC ₅₀)	DDR2: 3.3 nM DDR1: 1.5 nM (IC ₅₃)
In vitro	DDR inhibitor is an effective DDR inhibitor. The IC ₅₀ of DDR2 is 3.3 nM, which has 53% inhibition on DDR1 at 1.5 nM.

Solubility Information

Solubility	DMSO: 65 mg/mL (155.71 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.396 mL	11.978 mL	23.956 mL
5 mM	0.479 mL	2.396 mL	4.791 mL
10 mM	0.24 mL	1.198 mL	2.396 mL
50 mM	0.048 mL	0.24 mL	0.479 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. Gordon Saxty, et al. Imidazo-condensed bicycles as inhibitors of discoidin domain receptors (ddrs)

Inhibitors · Natural Compounds · Compound Libraries

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