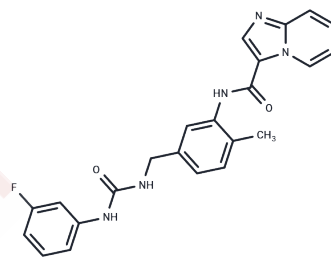


DDR Inhibitor

Chemical Properties

CAS No. : 1644069-80-6
 Formula: C₂₃H₂₀FN₅O₂
 Molecular Weight: 417.44
 Appearance: no data available
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	DDR inhibitor is a potent discidin 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)	Discoidin Domain Receptor (DDR)
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: 50 mg/mL (119.78 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3956 mL	11.9778 mL	23.9555 mL
5 mM	0.4791 mL	2.3956 mL	4.7911 mL
10 mM	0.2396 mL	1.1978 mL	2.3956 mL
50 mM	0.0479 mL	0.2396 mL	0.4791 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

Gordon Saxty, et al. Imidazo-condensed bicycles as inhibitors of discoidin domain receptors (ddrs)

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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