# Data Sheet (Cat.No.T4071)



## Repotrectinib

## **Chemical Properties**

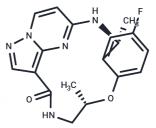
CAS No.: 1802220-02-5

Formula: C18H18FN5O2

Molecular Weight: 355.37

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



# **Biological Description**

Description	Repotrectinib (TPX-0005) is a potent ALK/ROS1/TRK inhibitor, with IC50 values of 1.01 nM for WT ALK, 5.3 nM for SRC, 1.08 nM for ALK L1196M, and 1.26 nM for ALK G1202R.
Targets(IC50)	ALK,ROS,ROS Kinase,Src,Trk receptor

## **Solubility Information**

Solubility	DMSO: 60 mg/mL (168.84 mM),Sonication is recommended.		
	(< 1 mg/ml refers to the product slightly soluble or insoluble)		

#### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.814 mL	14.0698 mL	28.1397 mL
5 mM	0.5628 mL	2.814 mL	5.6279 mL
10 mM	0.2814 mL	1.407 mL	2.814 mL
50 mM	0.0563 mL	0.2814 mL	0.5628 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.

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#### Reference

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