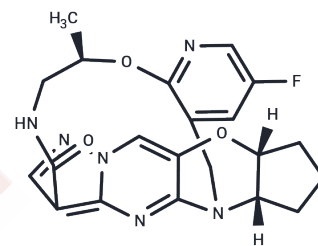


TPX-0046

## Chemical Properties

CAS No. : 2359650-19-2  
 Formula: C<sub>21</sub>H<sub>21</sub>FN<sub>6</sub>O<sub>3</sub>  
 Molecular Weight: 424.43  
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year  
*Actual storage temperature shall be subject to the COA.*



## Biological Description

Description	TPX-0046 is a RET inhibitor designed to overcome resistance to Selpercatinib and Pralsetinib.
Targets(IC50)	c-RET,Src

## Solubility Information

Solubility	DMSO: 2 mg/mL (4.71 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	2.3561 mL	11.7805 mL	23.561 mL
5 mM	0.4712 mL	2.3561 mL	4.7122 mL
10 mM	0.2356 mL	1.1781 mL	2.3561 mL
50 mM	0.0471 mL	0.2356 mL	0.4712 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

Repetto M, et al. The return of RET GateKeeper mutations? an in-silico exploratory analysis of potential resistance mechanisms to novel RET macrocyclic inhibitor TPX-0046. Invest New Drugs. 2022 May 25.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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