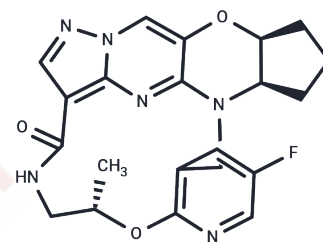


## Compound TPX-0046

## Chemical Properties

CAS No. :	2411115-73-4
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	Compound TPX-0046 is an inhibitor of RET. Compound TPX-0046 can inhibit the RET autophosphorylation. Compound TPX-0046 can be used for the research of cancer.
Targets(IC50)	c-RET
In vitro	Compound TPX-0046 (0.3-300 nM) inhibits p-RET (y905) in RET-driven cells[1].
In vivo	Compound TPX-0046 (2-5 mg/kg; twice daily for 27 days) decreases tumor size in mice [1].

## Solubility Information

Solubility	DMSO: Slightly soluble (< 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

ROGERS EW, et, al. Macrocyclic compounds for treating disease. WO2019126121A1.

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