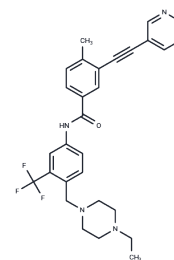


XMD15-44

## Chemical Properties

CAS No. : 1240489-67-1  
 Formula: C<sub>29</sub>H<sub>29</sub>F<sub>3</sub>N<sub>4</sub>O  
 Molecular Weight: 506.56  
 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	XMD15-44, a RET kinase inhibitor, demonstrates potent growth-inhibitory effects on RAT1 cells transformed by RET/C634R and RET/M918T, with IC <sub>50</sub> values of 11.5 nM and 8.3 nM, respectively. It effectively inhibits RET kinase activity and signaling in human thyroid cancer cell lines harboring oncogenic RET alleles, thereby reducing cell proliferation.
Targets(IC <sub>50</sub> )	c-RET

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9741 mL	9.8705 mL	19.741 mL
5 mM	0.3948 mL	1.9741 mL	3.9482 mL
10 mM	0.1974 mL	0.987 mL	1.9741 mL
50 mM	0.0395 mL	0.1974 mL	0.3948 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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