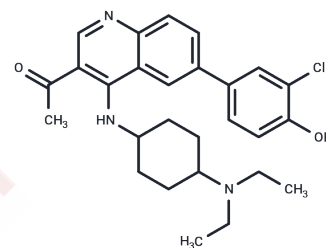


OTS447

## Chemical Properties

CAS No. : 1356943-67-3  
 Formula: C<sub>27</sub>H<sub>32</sub>ClN<sub>3</sub>O<sub>2</sub>  
 Molecular Weight: 466.02  
 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	OTS447 is a potent FLT3 inhibitor (IC <sub>50</sub> : 21 nM) with potential anticancer activity for cancer research .
Targets(IC <sub>50</sub> )	FLT

## Solubility Information

Solubility	DMSO: 2.33 mg/mL (5 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	2.1458 mL	10.7292 mL	21.4583 mL
5 mM	0.4292 mL	2.1458 mL	4.2917 mL
10 mM	0.2146 mL	1.0729 mL	2.1458 mL
50 mM	0.0429 mL	0.2146 mL	0.4292 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

Yo Matsuo, et al. Quinoline derivatives and melk inhibitors containing the same. WO2012016082A1.

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

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