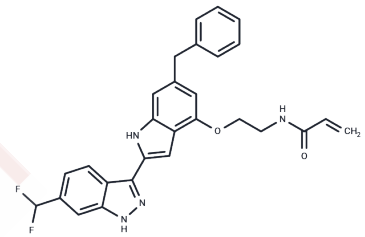


## ITK inhibitor 6

## Chemical Properties

CAS No. : 2404604-06-2  
 Formula: C<sub>28</sub>H<sub>24</sub>F<sub>2</sub>N<sub>4</sub>O<sub>2</sub>  
 Molecular Weight: 486.51  
 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	ITK inhibitor 6 is a selective and potent ITK inhibitor that acts on ITK (IC <sub>50</sub> : 4 nM), BTK (IC <sub>50</sub> : 133 nM), JAK3 (IC <sub>50</sub> : 320 nM), EGFR (IC <sub>50</sub> : 2360 nM), LCK (IC <sub>50</sub> : 155 nM). ITK inhibitor 6 inhibited the phosphorylation of PLCγ1 and ERK1/2 and showed anti-proliferative effect.
Targets(IC <sub>50</sub> )	Others, Tyrosine Kinases

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0555 mL	10.2773 mL	20.5546 mL
5 mM	0.4111 mL	2.0555 mL	4.1109 mL
10 mM	0.2055 mL	1.0277 mL	2.0555 mL
50 mM	0.0411 mL	0.2055 mL	0.4111 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

Tel: 781-999-4286 E\_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481