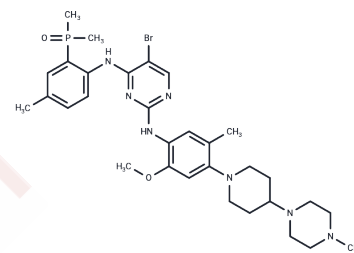


DA-0157

## Chemical Properties

CAS No. : 2756978-82-0  
 Formula: C<sub>31</sub>H<sub>43</sub>BrN<sub>7</sub>O<sub>2</sub>P  
 Molecular Weight: 656.597  
 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	DA-0157 is an orally active inhibitor targeting EGFR and ALK, designed to overcome resistance mutations in non-small cell lung cancer (NSCLC). It effectively inhibits the proliferation of Ba/F3-EGFR Del19/T790M/C797S (IC <sub>50</sub> = 6.9 nM), Ba/F3-EGFR WT (IC <sub>50</sub> = 0.83 μM), Ba/F3-EML4-ALK-L1196M (IC <sub>50</sub> = 5.5 nM), and Ba/F3-EML4-ALK (IC <sub>50</sub> = 7.4 nM). Additionally, DA-0157 inhibits CYP2D6 with an IC <sub>50</sub> of 5.26 μM and demonstrates antitumor activity in mouse models.
Targets(IC <sub>50</sub> )	EGFR,ALK,Cytochromes P450

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.523 mL	7.615 mL	15.230 mL
5 mM	0.3046 mL	1.523 mL	3.046 mL
10 mM	0.1523 mL	0.7615 mL	1.523 mL
50 mM	0.0305 mL	0.1523 mL	0.3046 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