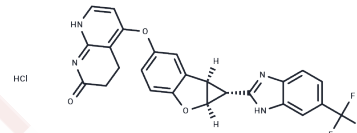


## Lifirafenib HCl

## Chemical Properties

CAS No. :	2025320-97-0
Formula:	C <sub>26</sub> H <sub>19</sub> ClF <sub>3</sub> N <sub>3</sub> O <sub>3</sub>
Molecular Weight:	513.9012
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	Lifirafenib, also known as Beigene-283, is a Novel potent and selective RAF Kinase and EGFR inhibitor. BGB-283-displays Potent Antitumor Activity in B-RAF Mutated Colorectal Cancers. In vitro, BGB-283 potently inhibits B-RAFV600E-activated ERK phosphorylation and cell proliferation. It demonstrates selective cytotoxicity and preferentially inhibits proliferation of cancer cells harbouring B-RAFV600E and EGFR mutation/amplification. In B-RAFV600E CRC cell lines, BGB-283 effectively inhibits the reactivation of EGFR and EGFR-mediated cell proliferation. In vivo, BGB-283 treatment leads to dose-dependent tumor growth inhibition accompanied by partial and complete tumor regressions in both cell-line derived and primary human colorectal tumor xenografts bearing B-RAFV600E mutation. BGB-283 as a potent antitumor drug candidate with clinical potential for treating CRC harbouring B-RAFV600E mutation.
Targets(IC50)	Others,Endogenous Metabolite

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9459 mL	9.7295 mL	19.459 mL
5 mM	0.3892 mL	1.9459 mL	3.8918 mL
10 mM	0.1946 mL	0.973 mL	1.9459 mL
50 mM	0.0389 mL	0.1946 mL	0.3892 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