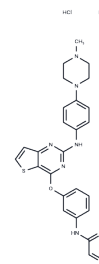


Olmudinib hydrochloride

Chemical Properties

CAS No. :	1842366-97-5
Formula:	C ₂₆ H ₂₈ Cl ₂ N ₆ O ₂ S
Molecular Weight:	559.51
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	Olmudinib is a novel third-generation epidermal growth factor receptor (EGFR) mutation-specific tyrosine kinase inhibitor, used in the treatment of T790M mutation positive non-small cell lung cancer. Olmutinib covalently binds a cysteine residue near the kinase domain of mutant EGFRs to prevent phosphorylation of the receptor. EGFRs are frequently over-expressed in lung cancer and contribute to activation of the phosphoinositide 3-kinase and mitogen-activated protein kinase pathways which both promote cell survival and proliferation. By inhibiting EGFR activation, Olmutinib attenuates the activation of these tumor-promoting pathways. In the first phase I/II clinical study of Osimertinib, 800 mg/ day was chosen as the dose for subsequent studies, and the dose-limiting toxicity and maximum tolerated dose was not reached. Olmutinib received breakthrough therapy designation in the United States in December 2015 and was approved for use in Korea in May 2016.
Targets(IC50)	EGFR,Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7873 mL	8.9364 mL	17.8728 mL
5 mM	0.3575 mL	1.7873 mL	3.5746 mL
10 mM	0.1787 mL	0.8936 mL	1.7873 mL
50 mM	0.0357 mL	0.1787 mL	0.3575 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

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