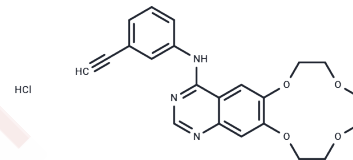


Icotinib Hydrochloride

Chemical Properties

CAS No. :	1204313-51-8
Formula:	C ₂₂ H ₂₂ ClN ₃ O ₄
Molecular Weight:	427.88
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	Icotinib Hydrochloride (BPI-2009H) is the hydrochloride salt form of icotinib, an orally available quinazoline-based inhibitor of EGFR, with potential antineoplastic activity. Icotinib selectively inhibits the wild-type and several mutated forms of EGFR tyrosine kinase. This may lead to an inhibition of EGFR-mediated signal transduction and may inhibit cancer cell proliferation. EGFR, a receptor tyrosine kinase, has been upregulated in a variety of cancer cell types.
Targets(IC50)	EGFR

Solubility Information

Solubility	DMSO: 12 mg/mL (28.05 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (4.67 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3371 mL	11.6855 mL	23.371 mL
5 mM	0.4674 mL	2.3371 mL	4.6742 mL
10 mM	0.2337 mL	1.1686 mL	2.3371 mL
50 mM	0.0467 mL	0.2337 mL	0.4674 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

Tan F, et al. Lung Y. 2012 May;76(2):177-82.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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