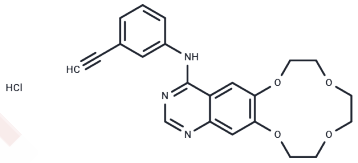
Data Sheet (Cat.No.T2307)

TargetMol

Icotinib Hydrochloride

Chemical Properties



CAS No. : 1204313-51-8

Formula: C22H22ClN3O4

Molecular Weight: 427.88

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

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)

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.

Reference

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

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