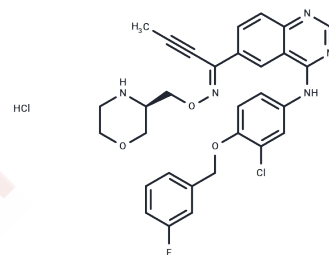


Epertinib hydrochloride

Chemical Properties

CAS No. :	2071195-74-7
Formula:	C30H28Cl2FN5O3
Molecular Weight:	596.48
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Epertinib hydrochloride (S-22611 hydrochloride) shows potent antitumor activity. Epertinib hydrochloride is a potent, orally active, reversible, and selective tyrosine kinase inhibitor of EGFR, HER2 and HER4, with IC50s of 1.48 nM, 7.15 nM and 2.49 nM, respectively.
Targets(IC50)	EGFR,HER

Solubility Information

Solubility	DMSO: 125 mg/mL (209.56 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6765 mL	8.3825 mL	16.765 mL
5 mM	0.3353 mL	1.6765 mL	3.353 mL
10 mM	0.1677 mL	0.8383 mL	1.6765 mL
50 mM	0.0335 mL	0.1677 mL	0.3353 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

Tanaka H, et al. Preclinical antitumor activity of S-222611, an oral reversible tyrosine kinase inhibitor of epidermal growth factor receptor and human epidermal growth factor receptor 2. Cancer Sci. 2014 Aug;105(8):1040-8.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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