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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

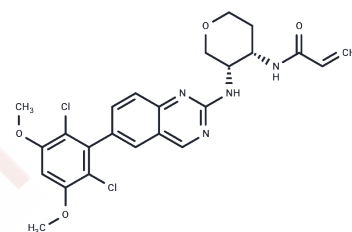
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Fisogatinib

Chemical Properties

CAS No. :	1707289-21-1
Formula:	C ₂₄ H ₂₄ Cl ₂ N ₄ O ₄
Molecular Weight:	503.38
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Fisogatinib (BLU-554) is a potent inhibitor of fibroblast growth factor receptor 4 (FGFR4).
Targets(IC50)	FGFR
In vitro	BLU-554 exploits a unique interaction with FGFR4 to confer potency and selectivity
In vivo	BLU-554 is well tolerated in these tumor models. Administration of BLU-554 induces tumor regression in liver cancer models[1].
Kinase Assay	The Ki value and mode of inhibition of LY2801653 for the MET kinase activity are determined using a radiometric filter-binding assay. Reactions are carried out in 96-well plates in Enzyme dilution buffer (EDB) compose of 50 mM Tris HCl pH 7.5, 2 mM DTT, 0.005% Triton X-100, 10 mM MgCl ₂ , and 250 μM EDTA. Serially diluted LY2801653 (final concentration 250 to 0 nM) are followed by the addition of a series of 8 concentrations of 33P-γ-ATP (final concentration 400 to 10 μM ATP), and 5 nM enzyme (final concentration). After a 2-hour incubation, PolyGluTyr synthetic protein substrate (final 150 μg/mL) is added to initiate the 30-minute kinase reaction. Reactions are quenched with 10% H ₃ PO ₄ , transfer to a pre-wetted Multiscreen anionic phosphocellulose 96-well filter plate, and washed; radioactivity is measured with a scintillation counter. The experimental data are fit to a global mix model inhibition equation using GraphPad Prism softwar to generate an alpha value to determine the modality of inhibition and to calculate the Ki value for LY2801653[1].

Solubility Information

Solubility	Ethanol: 2 mg/mL (3.97 mM), DMSO: 93 mg/mL (184.8 mM), H ₂ O: < 1 mg/mL (insoluble or slightly soluble), < 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9866 mL	9.9329 mL	19.8657 mL
5 mM	0.3973 mL	1.9866 mL	3.9731 mL
10 mM	0.1987 mL	0.9933 mL	1.9866 mL
50 mM	0.0397 mL	0.1987 mL	0.3973 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

Blueprint Medicines. 50th th international liver congress. 2015.

Tao Z, Cui Y, Xu X, et al. FGFR redundancy limits the efficacy of FGFR4-selective inhibitors in hepatocellular