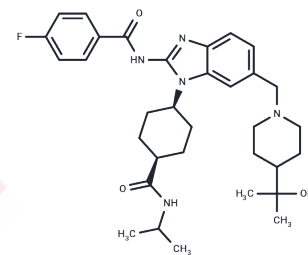


Belizatinib

Chemical Properties

CAS No. :	1357920-84-3
Formula:	C33H44FN5O3
Molecular Weight:	577.73
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	Belizatinib (TSR-011) is an effective, oral and dual inhibitor of ALK (IC50: 0.7 nM, wild-type recombinant ALK) and TRKA, TRKB, and TRKC.
Targets(IC50)	ALK, Trk receptor
In vitro	In the Clinicalal trials, Belizatinib has antitumor activity.
In vivo	In mouse models, Belizatinib can continuously and effectively inhibit ALK-dependent tumor growth.

Solubility Information

Solubility	DMSO: 60 mg/mL (103.85 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	1.7309 mL	8.6546 mL	17.3091 mL
5 mM	0.3462 mL	1.7309 mL	3.4618 mL
10 mM	0.1731 mL	0.8655 mL	1.7309 mL
50 mM	0.0346 mL	0.1731 mL	0.3462 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

Sullivan I, et al. ALK inhibitors in non-small cell lung cancer: the latest evidence and developments. Ther Adv Med Oncol. 2016 Jan;8(1):32-47

Jin X, Liu D, Zhou X, et al. Entrectinib inhibits NLRP3 inflammasome and inflammatory diseases by directly targeting NEK7. Cell Reports Medicine. 2023, 4(12).

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481