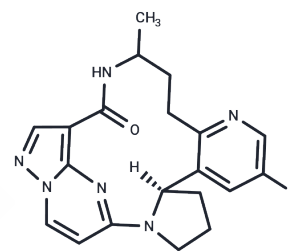


LOXO-195

Chemical Properties

CAS No. : 1350884-56-8
 Formula: C₂₀H₂₁FN₆O
 Molecular Weight: 380.42
 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	(6R,S)-LOXO-195 (BAY 2731954) is a potent and selective Trk tyrosine kinase inhibitor.
Targets(IC50)	Trk receptor

Solubility Information

Solubility	DMSO: 50 mg/mL (131.43 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 (5.26 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	2.6287 mL	13.1434 mL	26.2867 mL
5 mM	0.5257 mL	2.6287 mL	5.2573 mL
10 mM	0.2629 mL	1.3143 mL	2.6287 mL
50 mM	0.0526 mL	0.2629 mL	0.5257 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

Emiliano Cocco, et al. NTRK fusion-positive cancers and TRK inhibitor therapy. Nat Rev Clin Oncol. 2018 Dec;15(12): 731-747.

Wang S, Li K, Pickholz E, et al. An autocrine signaling circuit in hepatic stellate cells underlies advanced fibrosis in nonalcoholic steatohepatitis. Science Translational Medicine. 2023, 15(677): eadd3949.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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