

CNX-500

Chemical Properties

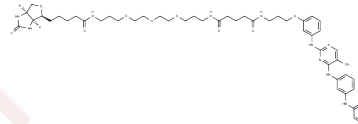
CAS No. : 1202758-21-1

Formula: C48H68N10O9S

Molecular Weight: 961.18

Appearance: no data available

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



Biological Description

Description	CNX-500, a probe comprising a covalent Btk inhibitor chemically linked to biotin, exhibits significant inhibitory activity against Btk (IC ₅₀ : 0.5 nM) and can form a covalent bond with Btk. Additionally, CNX-500 has low inhibitory effects on kinase EGFR and upstream Src-family kinases.
Targets(IC ₅₀)	Others
In vitro	In Ramos cells exposed to a range of CC-292 concentrations, the amount of Btk captured by the probe is compared with untreated samples and the extent of Btk bonded is demonstrated to be proportional to CC-292 drug concentration.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.0404 mL	5.2019 mL	10.4039 mL
5 mM	0.2081 mL	1.0404 mL	2.0808 mL
10 mM	0.104 mL	0.5202 mL	1.0404 mL
50 mM	0.0208 mL	0.104 mL	0.2081 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

Evans EK, et al. Inhibition of Btk with CC-292 provides early pharmacodynamic assessment of activity in mice and humans. J Pharmacol Exp Ther. 2013 Aug;346(2):219-28.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481