

CNX-500

**Chemical Properties**

CAS No.:	1202758-21-1
Formula:	C <sub>48</sub> H <sub>68</sub> N <sub>10</sub> O <sub>9</sub> S
Molecular Weight:	961.18
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

**Biological Description**

Description	CNX-500 is a probe consisting of a covalent Btk inhibitor chemically linked to biotin. CNX-500 has inhibitory activity against Btk (IC <sub>50</sub> : 0.5 nM) and the ability to form a covalent bond with Btk. CNX-500 has low inhibitory effects on kinase EGFR and upstream Src-family kinases.
Targets(IC <sub>50</sub> )	Others: None
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.

**Solubility Information**

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
------------	---------------------------------------------------------------

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.04 mL	5.202 mL	10.404 mL
5 mM	0.208 mL	1.04 mL	2.081 mL
10 mM	0.104 mL	0.52 mL	1.04 mL
50 mM	0.021 mL	0.104 mL	0.208 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

## Reference

1. 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.

Inhibitors · Natural Compounds · Compound Libraries

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use.

Tel:781-999-4286

E-mail:[info@targetmol.com](mailto:info@targetmol.com)

Address:36 Washington Street,Wellesley Hills,MA 02481