

## HaXS8

## Chemical Properties

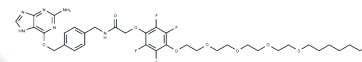
CAS No. : 2080306-25-6

Formula: C<sub>35</sub>H<sub>43</sub>ClF<sub>4</sub>N<sub>6</sub>O<sub>8</sub>

Molecular Weight: 787.21

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	HaXS8 is a dimerizer that facilitates the covalent and irreversible intracellular dimerization of proteins of interest labeled with HaloTag and SNAP-tag. Furthermore, HaXS8 does not exhibit any interference with PI3K/mTOR signaling.
Targets(IC50)	Others
In vitro	HaXS8 facilitates more than 65% intracellular dimerization of both Halo-GFP and SNAP-GFP fusion proteins, achieving significant levels at concentrations as low as 50 nM in HeLa cells. At 0.5 μM for 40 minutes, it effectively initiates cross-linking between the membrane anchor and the iSH2 construct in HEK293 cells, leading to the activation of PKB/Akt and mTOR without upregulating MAPK phosphorylation. Additionally, under the same conditions, HaXS8 does not affect PI3K/mTOR signaling pathways in HEK293 cells [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2703 mL	6.3515 mL	12.7031 mL
5 mM	0.2541 mL	1.2703 mL	2.5406 mL
10 mM	0.127 mL	0.6352 mL	1.2703 mL
50 mM	0.0254 mL	0.127 mL	0.2541 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

Erhart D, et, al. Chemical development of intracellular protein heterodimerizers. Chem Biol. 2013 Apr 18; 20(4): 549-57.

Saha I, et, al. Dynamics of the HIV Gag Lattice Detected by Localization Correlation Analysis and Time-Lapse iPALM. Biophys J. 2020 Aug 4; 119(3): 581-592.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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

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