

TX1-85-1

## Chemical Properties

CAS No. : 1603845-32-4

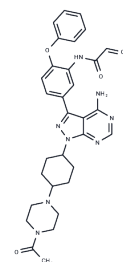
Formula: C32H36N8O3

Molecular Weight: 580.68

Store at low temperature

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	TX1-85-1 induces partial degradation of Her3 protein and attenuates Her3-dependent signaling. TX1-85-1 is an irreversible Her3 inhibitor (IC50: 23 nM). TX1-85-1 is also the first selective Her3 ligand, which forms a covalent bond with Cys721 located in the ATP-binding site of Her3.
Targets(IC50)	EGFR
In vitro	TX1-85-1 has an anti-proliferation (EC50s: 9.9, 11.5, and 16.9 $\mu$ M for Ovarc8, HCC827 GR6, and PC9 GR4 cells, respectively) [1].

## Solubility Information

Solubility	DMSO: 3.85 mg/mL (6.63 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	1.7221 mL	8.6106 mL	17.2212 mL
5 mM	0.3444 mL	1.7221 mL	3.4442 mL
10 mM	0.1722 mL	0.8611 mL	1.7221 mL
50 mM	0.0344 mL	0.1722 mL	0.3444 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

Xie T, et al. Pharmacological targeting of the pseudokinase Her3. Nat Chem Biol. 2014 Dec;10(12):1006-12.

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