

TNG961

Chemical Properties

CAS No. :

Formula: C28H24F3N3O3S

Molecular Weight: 539.57

Keep away from direct sunlight

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	TNG961 is an orally active, selective molecular chaperone degrader that interferes with the PELO/HBS1L-mediated ribosomal rescue process by inducing an interaction between Cereblon (CRBN) and HBS1L, thereby selectively promoting the ubiquitination and proteasomal degradation of HBS1L.
Targets(IC50)	Molecular Glues
In vitro	TNG961 causes a decrease in HBS1L protein levels and disrupts PELO, which is involved in ribosome rescue, while having no effect on SALL4 protein levels [1]. Both TNG961-induced HBS1L degradation and PELO instability can be reversed by CRBN inactivation, confirming its mechanism of action [1]. TNG961 (4 h) induces maximal HBS1L degradation in genetically engineered HiBIT knock-in cells without affecting GSPT1 protein levels [1].
In vivo	In an xenograft model of FOCAD deficiency, TNG961 (oral) downregulates HBS1L in a dose-dependent manner and induces instability in the PELO protein, thereby causing tumor arrest or regression in multiple lineages [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8533 mL	9.2666 mL	18.5333 mL
5 mM	0.3707 mL	1.8533 mL	3.7067 mL
10 mM	0.1853 mL	0.9267 mL	1.8533 mL
50 mM	0.0371 mL	0.1853 mL	0.3707 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

Katherine Lazarides, et al. Abstract B027: TNG961: A selective oral molecular glue degrader of HBS1L inducing tumor regression in naïve and PRMT5i-refractory FOCAD-deleted models. Mol Cancer Ther (2025) 24 (10_Supplement): B027.

Douglas A. Whittington, et al. Abstract ND03: TNG961: A selective oral molecular glue degrader of HBS1L for the treatment of FOCAD-deficient cancers. Cancer Res (2026) 86 (8_Supplement): ND03.

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