

DefNEtTrp

Chemical Properties

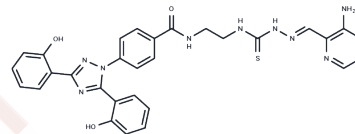
CAS No. :

Formula: C30H27N9O3S

Molecular Weight: 593.659

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	DefNEtTrp is an iron bis-chelating ligand composed of Def and Trp groups. It demonstrates potent broad-spectrum antiproliferative and cytotoxic effects in cancer cell lines. DefNEtTrp induces apoptosis and ferroptosis, exhibiting cytotoxicity with an IC50 value of 0.77 μ M.
Targets(IC50)	Apoptosis, Ferroptosis

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6845 mL	8.4223 mL	16.8447 mL
5 mM	0.3369 mL	1.6845 mL	3.3689 mL
10 mM	0.1684 mL	0.8422 mL	1.6845 mL
50 mM	0.0337 mL	0.1684 mL	0.3369 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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