

Keap1-IN-1

Chemical Properties

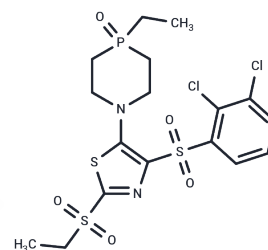
CAS No. :

Formula: C₁₇H₂₁Cl₂N₂O₅PS₃

Molecular Weight: 531.434

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	Keap1-IN-1 (Compound 27) is an inhibitor of Keap1, functioning by covalently modifying the Cys151 residue on the BTB domain of KEAP1, thereby disrupting the interaction between Keap and Nrf. It enhances the mRNA expression of the antioxidant response element (ARE) dependent gene NQO1, with an EC50 of 160 nM, and exhibits cytotoxicity in U2OS cells, with an EC50 of 527 nM.
Targets(IC50)	Reductase,Nrf2

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8817 mL	9.4086 mL	18.8172 mL
5 mM	0.3763 mL	1.8817 mL	3.7634 mL
10 mM	0.1882 mL	0.9409 mL	1.8817 mL
50 mM	0.0376 mL	0.1882 mL	0.3763 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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