

TrxR1-IN-2

Chemical Properties

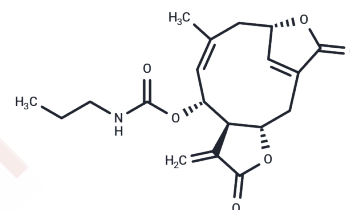
CAS No. :

Formula: C19H23NO6

Molecular Weight: 361.389

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	TrxR1-IN-2 (Compound 6a) acts as a TrxR1 inhibitor that covalently bonds with the Cys475 and Sec498 sites of TrxR1. This interaction hampers TrxR1 activity, resulting in a redox homeostasis disruption and inducing apoptosis and ferroptosis.
Targets(IC50)	Apoptosis, Ferroptosis

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7671 mL	13.8355 mL	27.6709 mL
5 mM	0.5534 mL	2.7671 mL	5.5342 mL
10 mM	0.2767 mL	1.3835 mL	2.7671 mL
50 mM	0.0553 mL	0.2767 mL	0.5534 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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