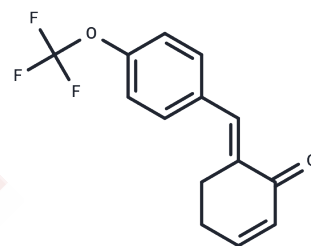


TrxR-IN-3

Chemical Properties

CAS No. : 2445565-58-0
 Formula: C₁₄H₁₁F₃O₂
 Molecular Weight: 268.23
 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	TrxR-IN-3 (Compound 2c) is an effective TrxR inhibitor that exhibits strong antiproliferative activities against five human cancer cell lines, particularly breast tumor cells. It increases ROS levels, induces apoptosis by regulating apoptosis-related protein expression in breast cancer cells, and promotes autophagosome and autolysosome formation by enhancing LC3-II and Beclin-1 expression and reducing LC3-I and p62 protein expression [1].
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.7281 mL	18.6407 mL	37.2814 mL
5 mM	0.7456 mL	3.7281 mL	7.4563 mL
10 mM	0.3728 mL	1.8641 mL	3.7281 mL
50 mM	0.0746 mL	0.3728 mL	0.7456 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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