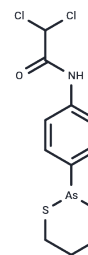


TrxR-IN-6

Chemical Properties

CAS No. : 3032446-53-7
 Formula: C₁₁H₁₂AsCl₂NOS₂
 Molecular Weight: 384.18
 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-6 (compound 1d) is an inhibitor of TrxR that can induce the accumulation of reactive oxygen species (ROS) and possesses anticancer properties. This compound can further lead to the collapse of the redox system, inducing mitochondrial dysfunction, endoplasmic reticulum (ER) stress, and DNA damage. Ultimately, it triggers oxidative stress and induces apoptosis.
Targets(IC50)	Apoptosis

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6029 mL	13.0147 mL	26.0295 mL
5 mM	0.5206 mL	2.6029 mL	5.2059 mL
10 mM	0.2603 mL	1.3015 mL	2.6029 mL
50 mM	0.0521 mL	0.2603 mL	0.5206 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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