

TrxR1-IN-1

## Chemical Properties

CAS No. :

Formula: C<sub>23</sub>H<sub>18</sub>N<sub>2</sub>O<sub>4</sub>Se

Molecular Weight: 465.36

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	Compound 5j, also known as TrxR1-IN-1, is a TrxR1 inhibitor with an IC <sub>50</sub> of 8.8 μM. It exhibits anticancer activity, demonstrating IC <sub>50</sub> values of 1.5 μM in MCF-7, 1.7 μM in HeLa, 2.4 μM in BGC-823, 2.8 μM in SW-480, and 2.1 μM in A549 cells. Additionally, TrxR1-IN-1 possesses antioxidant activity, effectively scavenging the DPPH radical [1].
Targets(IC <sub>50</sub> )	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1489 mL	10.7444 mL	21.4887 mL
5 mM	0.4298 mL	2.1489 mL	4.2977 mL
10 mM	0.2149 mL	1.0744 mL	2.1489 mL
50 mM	0.043 mL	0.2149 mL	0.4298 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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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481