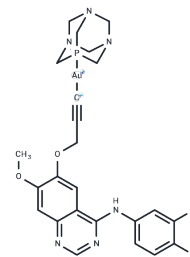


TrxR/EGFR-IN-1

## Chemical Properties

CAS No. : 3038386-42-1  
 Formula: C<sub>24</sub>H<sub>24</sub>AuClFN<sub>6</sub>O<sub>2</sub>P  
 Molecular Weight: 710.878  
 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/EGFR-IN-1 (Compound L1Au2) is a TrxR/EGFR inhibitor with activity against both gefitinib-sensitive and -resistant lung cancer, effectively suppressing tumor proliferation and promoting apoptosis. It enhances GPX4 degradation through autophagosome-lysosome and proteasome pathways, leading to ferroptosis. Additionally, it induces endoplasmic reticulum stress and triggers immunogenic cell death, making it applicable for studies on gefitinib-resistant lung cancer.
Targets(IC50)	Apoptosis,EGFR,Ferroptosis

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4067 mL	7.0335 mL	14.0671 mL
5 mM	0.2813 mL	1.4067 mL	2.8134 mL
10 mM	0.1407 mL	0.7034 mL	1.4067 mL
50 mM	0.0281 mL	0.1407 mL	0.2813 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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