

BGC4

Chemical Properties

CAS No. :

Formula: C30H32AuClF3N3

Molecular Weight: 724.01

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	BGC4 is a gold(III) complex based on biphenyl. It inhibits human recombinant thioredoxin reductase (TrxR) with an IC50 of 10.7 μ M, exhibits cytotoxicity with an IC50 of 5.4 μ M in MDA-MB-231 cells, and induces apoptosis. Additionally, BGC4 demonstrates antitumor activity in mouse models.
Targets(IC50)	Apoptosis

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3812 mL	6.906 mL	13.812 mL
5 mM	0.2762 mL	1.3812 mL	2.7624 mL
10 mM	0.1381 mL	0.6906 mL	1.3812 mL
50 mM	0.0276 mL	0.1381 mL	0.2762 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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