

[Au(L4)(CyJohnPhos)]SbF6

Chemical Properties

CAS No. :

Formula: C44H56AuF6NO4PSSb

Molecular Weight: 1158.68

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	[Au(L4)(CyJohnPhos)]SbF6 is a gold-containing compound that exhibits inhibitory effects on cyclooxygenase-1/2 (COX-1/2), suppresses the proliferation of colon cancer cells Caco2-/TC7 with an IC50 of 0.98 μ M, and induces cell apoptosis (apoptosis). Additionally, [Au(L4)(CyJohnPhos)]SbF6 acts as an inhibitor of thioredoxin reductase (TrxR) and demonstrates antioxidative activity by modulating ROS levels.
Targets(IC50)	Apoptosis,Reactive Oxygen Species,COX

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.8631 mL	4.3153 mL	8.6305 mL
5 mM	0.1726 mL	0.8631 mL	1.7261 mL
10 mM	0.0863 mL	0.4315 mL	0.8631 mL
50 mM	0.0173 mL	0.0863 mL	0.1726 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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