

iNOS/TopoI-IN-1

Chemical Properties

CAS No. :

Formula: C₃₄H₄₀AuBrCl₂N₃O₅

Molecular Weight: 886.54

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 AuL9, also known as iNOS/TopoI-IN-1, is a multi-target hybrid molecule possessing anti-tumor, anti-inflammatory, and antioxidant properties. This compound effectively inhibits the growth of MCF-7 and MDA MB-231 breast cancer cells in vitro, exhibiting IC ₅₀ values of 3.5 μM and 6.3 μM respectively. It also prompts DNA damage and apoptosis in these cells by inhibiting human topoisomerase I (TopoI) with a K _i of 2.72 μM. Additionally, iNOS/TopoI-IN-1 reduces the expression of iNOS by suppressing the activation of NF-κB, with a K _i of 1.49 μM.
Targets(IC ₅₀)	Apoptosis,NF-κB,NO Synthase,Topoisomerase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.128 mL	5.6399 mL	11.2798 mL
5 mM	0.2256 mL	1.128 mL	2.256 mL
10 mM	0.1128 mL	0.564 mL	1.128 mL
50 mM	0.0226 mL	0.1128 mL	0.2256 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

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481