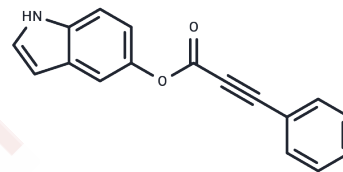


Antitumor agent-68

Chemical Properties

CAS No. : 2566497-96-7
 Formula: C₁₇H₁₁NO₂
 Molecular Weight: 261.27
 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	Antitumor agent-68 is a potent tubulin inhibitor exhibiting significant antitumor activity, with IC ₅₀ values of 3.6 μ M for HeLa and 3.8 μ M for MCF-7 cells. It also demonstrates good scavenging activity of ROS and DPPH radicals in a dose-dependent manner [1].
Targets(IC ₅₀)	Others, Reactive Oxygen Species, Microtubule Associated
In vitro	Antitumor agent-68 (Compound 7) demonstrates anticancer activity with IC ₅₀ values of 3.6 and 3.8 μ M for HeLa and MCF-7 cells, respectively [1]. At 10 μ M for 24 hours, it reduces Men-induced ROS production by 3-fold in 3T3-L1 cells and has an EC ₅₀ of 8.30 μ g/mL for DPPH radical scavenging [1]. Cell Viability Assay [1]: Cell Lines: HeLa, MCF-7, 3T3-L1; Concentration: 10 μ M; Incubation Time: 24 hours; Result: Demonstrated anticancer activity by hindering tubulin polymerization, reducing ROS production, and scavenging DPPH radicals.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.8275 mL	19.1373 mL	38.2746 mL
5 mM	0.7655 mL	3.8275 mL	7.6549 mL
10 mM	0.3827 mL	1.9137 mL	3.8275 mL
50 mM	0.0765 mL	0.3827 mL	0.7655 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