

Anticancer agent 157

Chemical Properties

CAS No. :

Formula: C₁₄H₂₀O₂

Molecular Weight: 220.31

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	Anticancer Agent 157 (compound 15) is a nitric oxide (NO) inhibitor with IC ₅₀ values of 0.62 µg/mL, exhibiting both anti-inflammatory and anticancer effects. It interacts with inducible NO synthase (iNOS) and caspase 8, which facilitates apoptosis through nuclear fragmentation and chromatin condensation. Additionally, Anticancer Agent 157 effectively inhibits HT29 colon cancer cells (IC ₅₀ =2.45 µg/mL), Hep-G2 liver cancer cells (IC ₅₀ =3.25 µg/mL), and B16-F10 murine melanoma cells (IC ₅₀ =3.84 µg/mL) [1].
Targets(IC ₅₀)	Apoptosis,Caspase,NO Synthase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.5391 mL	22.6953 mL	45.3906 mL
5 mM	0.9078 mL	4.5391 mL	9.0781 mL
10 mM	0.4539 mL	2.2695 mL	4.5391 mL
50 mM	0.0908 mL	0.4539 mL	0.9078 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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