

Apoptosis inducer 26

Chemical Properties

CAS No. :

Formula: C40H36AgClN4P2S

Molecular Weight: 810.07

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	Apoptosisinducer 26 (compound [AgCl(dap2SH)(PPh3)2]) is a mononuclear Ag(I) ligand-based autophagy inducer that exhibits antibacterial and anticancer activities against various bacterial strains and cancer cell lines. This compound facilitates the accumulation of Ag(I) ions in the periphery of bacteria, effectively inhibiting the growth of both Gram-positive (+) and Gram-negative (-) bacteria. Additionally, Apoptosisinducer 26 can intercalate between the base pairs of CT DNA, inducing apoptosis in A549 cells. It also possesses radical scavenging properties, which helps prevent oxidative stress.
Targets(IC50)	Apoptosis

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2345 mL	6.1723 mL	12.3446 mL
5 mM	0.2469 mL	1.2345 mL	2.4689 mL
10 mM	0.1234 mL	0.6172 mL	1.2345 mL
50 mM	0.0247 mL	0.1234 mL	0.2469 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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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481