

Antiproliferative agent-11

Chemical Properties

CAS No. :

Formula: C₃₁H₃₄Cl₂N₆O₃P₂Ru

Molecular Weight: 772.56

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	Antiproliferative Agent-11, a selective Ruthenium(II)-Tris-pyrazolylmethane complex, exhibits antiproliferative effects on MCF-7, HeLa, 518A2, HCT116, and RD cancer cell lines with IC ₅₀ values of 6, 10, 6.8, 6.7, and 6 μM, respectively. This compound is utilized in cancer research.
Targets(IC ₅₀)	Apoptosis,Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2944 mL	6.472 mL	12.944 mL
5 mM	0.2589 mL	1.2944 mL	2.5888 mL
10 mM	0.1294 mL	0.6472 mL	1.2944 mL
50 mM	0.0259 mL	0.1294 mL	0.2589 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.

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