

PT-tpty

Chemical Properties

CAS No. : 727721-37-1

Formula: C₂₂H₁₇Cl₂N₃Pt

Molecular Weight: 589.38

Storage: Keep away from direct sunlight, The compound is unstable in solution. Please use soon
 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	Pt-tpty is a metallo-organic compound and an effective G-quadruplex ligand that efficiently induces significant telomere-associated DNA damage in cancer cells by inhibiting telomerase and/or telomere function. It also causes various chromatin abnormalities during mitosis, such as chromatin bridges, ultrafine bridges (UFB), and double-stranded breaks (DSB).
Targets(IC50)	DNA/RNA Synthesis

Solubility Information

Solubility	DMSO: Slightly soluble, DMSO inactivates the activity of PT-tpty. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6967 mL	8.4835 mL	16.967 mL
5 mM	0.3393 mL	1.6967 mL	3.3934 mL
10 mM	0.1697 mL	0.8483 mL	1.6967 mL
50 mM	0.0339 mL	0.1697 mL	0.3393 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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