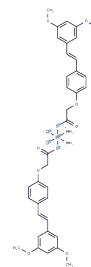


DPP

## Chemical Properties

CAS No. : 2668267-47-6  
 Formula: C<sub>36</sub>H<sub>40</sub>Cl<sub>2</sub>N<sub>2</sub>O<sub>10</sub>Pt  
 Molecular Weight: 926.7  
 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	DPP, a Platinum(IV) complex with a pterostilbene-derived axial ligand, inhibits the JAK2-STAT3 pathway in breast cancer (BC) cells, demonstrating antiproliferative activity. It activates caspase-3 and cleaved poly ADP-ribose polymerase, inducing apoptosis. Furthermore, DPP enhances the maturation and antigen presentation of dendritic cells and exhibits in vivo safety [1].
Targets(IC50)	Apoptosis,STAT,JAK

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.0791 mL	5.3955 mL	10.791 mL
5 mM	0.2158 mL	1.0791 mL	2.1582 mL
10 mM	0.1079 mL	0.5395 mL	1.0791 mL
50 mM	0.0216 mL	0.1079 mL	0.2158 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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