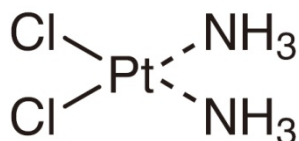


**Cisplatin (CAS: 15663-27-1)****Catalog #: EBC51006****Biological Activity**

<b>Synonyms</b>	cis-Platinum, CDDP, cis-Diaminodichloroplatinum
<b>Chemical Name</b>	cis-Diaminodichloroplatinum
<b>Application</b>	Cisplatin is a potent platinum-based anti-neoplastic agent which is used as an apoptosis inducer and caspase-3 activator
<b>CAS No.</b>	15663-27-1
<b>Purity</b>	≥99%
<b>Molecular Weight</b>	300.05
<b>Molecular Formula</b>	H <sub>6</sub> Cl <sub>2</sub> N <sub>2</sub> Pt
<b>Shipping</b>	Gel Pack
<b>Storage</b>	Store at -20° C
<b>Target &amp; IC<sub>50</sub></b>	DNA synthesis

**Molecular Structure****Solubility**

DMF : 5 mg/mL (16.66 mM)

**PS:** < 1 mg/ml refers to the product insoluble**Description**

Cisplatin is a potent platinum-based anti-neoplastic agent that is believed to form inter- and intrastrand DNA adducts which activate signaling pathways culminating in apoptosis. Potent chemoimmunotherapeutic drug; stimulates the immune responses by activating macrophages and other cells of the immune system. Cisplatin-treated macrophages show increased antigen presentation function in vitro. Treatment increased cellular NF-κB content and translocation in macrophages. Cisplatin effects are regulated by kinases, phosphatases, and Ca<sup>2+</sup>/calmodulin. Forms cytotoxic adducts with the DNA dinucleotide d(pGpG), inducing intrastrand crosslinks. Potent platinum-based antineoplastic agent. Forms cytotoxic adducts with the DNA dinucleotide d(pGpG), inducing intrastrand cross-links.

**For Research Use Only. Not For Use In Diagnostic Procedures****EbioCell Lifesciences, Inc.**Imperial Business Park 4819 Emperor Boulevard,  
Suite 408 Durham, NC 27703, USA**Order:** [order@ebiocell.com](mailto:order@ebiocell.com)

TEL: (540)808-3925

**Supprt:** [tech@ebiocell.com](mailto:tech@ebiocell.com)