



LKT Laboratories, Inc.

## Cisplatin

Phone: 888-558-5227  
651-644-8424  
Fax: 888-558-7329  
Email: [getinfo@lctlabs.com](mailto:getinfo@lctlabs.com)  
Web: [lctlabs.com](http://lctlabs.com)

### Product Information

**Product ID** C3374

**CAS No.** 15663-27-1

**Chemical Name** cis-Dichlorodiammine platinum(II)

**Synonym** Abiplatin, DDP, Platiblastin, cis- Dichlorodi- ammineplatinum

**Formula**  $\text{Cl}_2\text{H}_6\text{N}_2\text{Pt}$

**Formula Wt.** 300.04

**Melting Point** 270° C (dec.)

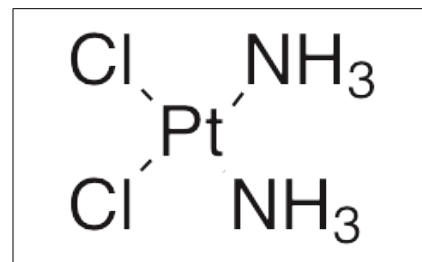
**Purity** ≥98%

**Solubility** Slightly soluble in water.  
Soluble in DMSO to  
60mg/mL.

**Store Temp** 4° C

**Ship Temp** Ambient

**Description** Cisplatin is a platinum-based cross-linking agent that exhibits anticancer chemotherapeutic activity. Cisplatin induces crosslinks between guanine bases on DNA; it is clinically used to treat various forms of cancer. In lung cancer cells, cisplatin decreases phosphorylation of PI3K, Akt, and FOXO3a and induces apoptosis. Additionally, cisplatin modulates STAT signaling and immune responses in other models. TEST!!!!!!



### Pricing and Availability

**Bulk quantities available upon request**

Product ID	Size	List Price
C3374	50 mg	\$38.60
C3374	100 mg	\$55.10
C3374	500 mg	\$165.40
C3374	1 g	\$270.20

**References** Hato SV, Khong A, de Vries IJ, et al. Molecular pathways: the immunogenic effects of platinum-based chemotherapeutics. Clin Cancer Res. 2014 Jun 1;20(11):2831-7. PMID: 24879823.

Liu H, Yin J, Wang C, et al. FOXO3a mediates the cytotoxic effects of cisplatin in lung cancer cells. Anticancer Drugs. 2014 Sep;25(8):898-907. PMID: 24814195.

Stordal B, Davey M. Understanding cisplatin resistance using cellular models. IUBMB Life. 2007 Nov;59(11):696-9. PMID: 17885832.

Marcon L, Zhang X, Hales BF, et al. Effects of chemotherapeutic agents for testicular cancer on rat spermatogonial stem/progenitor cells. J Androl. 2011 Jul-Aug;32(4):432-443. PMID: 21088230.

**Caution:** This product is intended for laboratory and research use only. It is not for human or drug use.