



LKT Laboratories, Inc.

Cisplatin

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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.)

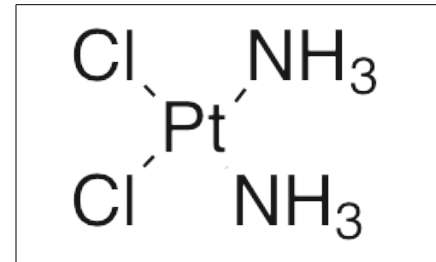
Purity ≥98%

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.



Bulk quantities available upon request

Product ID	Size
C3374	50 mg
C3374	100 mg
C3374	500 mg
C3374	1 g

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.