



LKT Laboratories, Inc.

## Carboplatin

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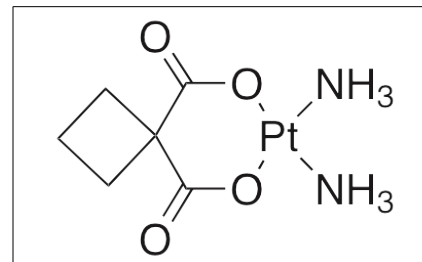
### Product Information

**Product ID** C0171  
**CAS No.** 41575-94-4  
**Chemical Name** (SP-4-2)-Diammine-[1,1-cyclobutanedi(carboxylato-κO)(2-)] platinum  
**Synonym** Paraplati, cis-Diammine[1,1 cyclobutane dicarboxylato] platinum  
**Formula**  $C_6H_{12}N_2O_4Pt$   
**Formula Wt.** 371.25  
**Melting Point** 228-230°C  
**Purity** ≥98%  
**Solubility** Soluble in water (10 mg/mL).

**Store Temp** -20°C

**Ship Temp** Ambient

**Description** Carboplatin is a platinum-based cross-linking agent that exhibits immunomodulatory and anticancer chemotherapeutic activities. Carboplatin binds DNA with slower kinetics than other platinum drugs, inhibiting DNA transcription and replication; it is clinically used to treat various cancers. Carboplatin also modulates STAT signaling and release of HMGB-1.



### Pricing and Availability

*Bulk quantities available upon request*

Product ID	Size	List Price
C0171	25 mg	\$44.80
C0171	100 mg	\$132.30
C0171	250 mg	\$286.70

**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.

Chen X, Wu Y, Dong H, et al. Platinum-based agents for individualized cancer treatment. Curr Mol Med. 2013 Dec;13(10):1603-12. PMID: 24206132.

Ang WH, Myint M, Lippard SJ. Transcription inhibition by platinum-DNA cross-links in live mammalian cells. J Am Chem Soc. 2010 Jun 2;132(21):7429-35. PMID: 20443565.

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