



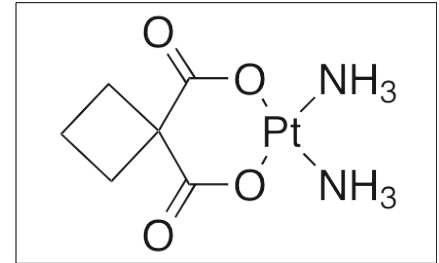
LKT Laboratories, Inc.

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 C₆H₁₂N₂O₄Pt
Formula Wt. 371.25
Melting Point 228-230 °C
Purity ≥98%
Solubility Soluble in water (10 mg/mL).



Bulk quantities available upon request

Product ID	Size
C0171	25 mg
C0171	100 mg
C0171	250 mg

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.

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.