

Product Name:	Carboplatin
Product Number:	C115
CAS Number:	41575-94-4
Molecular Formula:	$C_6H_{12}N_2O_4Pt$
Molecular Weight:	371.25
Form:	Powder
Appearance:	White crystalline powder
Solubility:	sparingly soluble in H ₂ O, very slightly soluble in acetone and alcohol
Elemental Analysis:	Platinum Content: 52.0-53.0%
Water Content (Karl Fischer):	≤0.5%
pH:	5.0-7.0
Storage Conditions:	-20°C
Description:	Carboplatin is a platinum-based antineoplastic chemotherapy agent that has been used to treat certain forms of cancer including lung, neck, breast, and cervical cancers.
Mechanism of Action:	Carboplatin is thought to interfere with DNA repair; however, its specific mechanism of action is not well understood.
Cancer Applications	Carboplatin can be used to study its effects on various cancer cell types.
References:	Rao, R. D. "Combination of Paclitaxel and Carboplatin as Second-line Therapy for Patients with Metastatic Melanoma." <i>Cancer</i> 106.2 (2006): 375-82. Ncbi.gov. Web. 24 Mar. 2014.