

Product Information

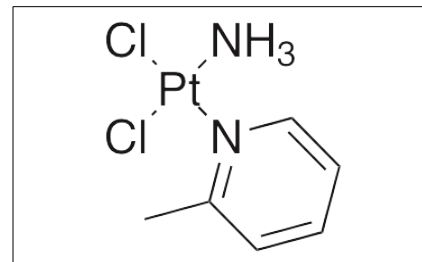
Product ID P3210
CAS No. 181630-15-9
Chemical Name azane; 2-methylpyridine; platinum(2+); dichloride

Synonym

Formula C₆H₁₀Cl₂N₂Pt
Formula Wt. 376.15
Melting Point
Purity ≥98%
Solubility

Store Temp -20° C
Ship Temp Ambient

Description Picoplatin is an analog of cisplatin with a 2-methylpyridine ligand that displays anticancer chemotherapeutic activity. Picoplatin is used to treat non-small cell lung cancer (NSCLC) and is in clinical trials as a potential treatment for prostate cancer. Picoplatin intercalates with GpG sequences in DNA and shows efficacy inhibiting tumor growth in vitro, in vivo, and in clinical settings.



Product ID	Size
P3210	1 mg
P3210	5 mg
P3210	10 mg
P3210	25 mg

References Matos CS, de Carvalho AL, Lopes RP, et al. New strategies against prostate cancer--Pt(II)-based chemotherapy. *Curr Med Chem.* 2012;19(27):4678-87. PMID: 22856665.

Eckardt JR, Bentsion DL, Lipatov ON, et al. Phase II study of picoplatin as second-line therapy for patients with small-cell lung cancer. *J Clin Oncol.* 2009 Apr 20;27(12):2046-51. PMID: 19289620.

Kanzawa F, Akiyama Y, Saijo N, et al. In vitro effects of combinations of cis-amminedichloro (2-methylpyridine) platinum (II) (ZD0473) with other novel anticancer drugs on the growth of SBC-3, a human small cell lung cancer cell line. *Lung Cancer.* 2003 Jun;40(3):325-32. PMID: 12781432.

Munk VP, Diakos CI, Ellis LT, et al. Investigations into the interactions between DNA and conformationally constrained pyridylamineplatinum(II) analogues of AMD473. *Inorg Chem.* 2003 Jun 2;42(11):3582-90. PMID: 12767196.

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