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# Cisplatin

National Cancer Institute

## Source

National Cancer Institute. *Cisplatin*. NCI Thesaurus. Code C376.

An alkylating-like inorganic platinum agent (cis-diamminedichloroplatinum) with antineoplastic activity. Cisplatin forms highly reactive, charged, platinum complexes which bind to nucleophilic groups such as GC-rich sites in DNA inducing intrastrand and interstrand DNA cross-links, as well as DNA-protein cross-links. These cross-links result in apoptosis and cell growth inhibition.