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Oral Picoplatin

National Cancer Institute

Source

National Cancer Institute. *Oral Picoplatin*. NCI Thesaurus. Code C68924.

An oral preparation of picoplatin, a third generation platinum compound with antineoplastic activity. Designed to overcome platinum drug resistance, picoplatin alkylates DNA, forming both inter- and intra-strand cross-linkages, resulting in inhibition of DNA replication and RNA transcription and the induction of apoptosis. Because of the increase in steric bulk around the platinum center, there is a relative reduction in the inactivation of picoplatin by thiol-containing species such as glutathione and metallothionein in comparison to cisplatin.