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Melphalan

National Cancer Institute

Source

National Cancer Institute. *Melphalan*. NCI Thesaurus. Code C633.

A phenylalanine derivative of nitrogen mustard with antineoplastic activity. Melphalan alkylates DNA at the N7 position of guanine and induces DNA inter-strand cross-linkages, resulting in the inhibition of DNA and RNA synthesis and cytotoxicity against both dividing and non-dividing tumor cells.