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Antineoplastic Alkylating Agent

National Cancer Institute

Source

National Cancer Institute. *Antineoplastic Alkylating Agent*. NCI Thesaurus. Code C1590.

An antineoplastic agent that replaces hydrogen atom(s) in nucleophilic moieties with alkyl radical(s), hindering proper function. Alkylating agents exhibit cytotoxic effects through the alkylation of DNA, resulting in strand cross-linking, ultimately inhibiting DNA replication and cancer cell growth.