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Alkylation Process

National Cancer Institute

Source

National Cancer Institute. *Alkylation Process*. NCI Thesaurus. Code C40468.

Alkylating Activity in biological systems is typically a process of covalent bonding in which a chemical substance replaces hydrogen atom(s) in biologically active molecules with alkyl radical(s), hindering proper function. DNA alkylation results in strand cross-linking and can inhibit DNA replication.