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O6-Benzylguanine

National Cancer Institute

Source

National Cancer Institute. <u>O6-Benzylguanine</u>. NCI Thesaurus. Code C1306.

A guanine analogue with antineoplastic activity. O6-benzylguanine binds the DNA repair enzyme O(6)-alkylguanine DNA alkyltransferase (AGT), transferring the benzyl moiety to the active-site cysteine and resulting in inhibition of AGT-mediated DNA repair. Co-administration of this agent potentiates the effects of other chemotherapeutic agents that damage DNA. (NCI04)

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