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Fotemustine

National Cancer Institute

Source

National Cancer Institute. *Fotemustine*. NCI Thesaurus. Code C1106.

A chloroethylating nitrosourea with antineoplastic activity. Fotemustine alkylates guanine by forming chloroethyl adducts at the 6 position of guanine, resulting in N1-guanine and N3-cytosine cross linkages, inhibition of DNA synthesis, cell cycle arrest, and finally apoptosis. This agent is lipophilic and crosses the blood-brain barrier.