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Canfosfamide

National Cancer Institute

Source

National Cancer Institute. *Canfosfamide*. NCI Thesaurus. Code C83581.

A modified glutathione analogue and nitrogen mustard prodrug, with potential antineoplastic activity. Canfosfamide is selectively activated by glutathione S-transferase P1-1 into an alkylating metabolite that forms covalent linkages with nucleophilic centers in tumor cell DNA, which may induce a cellular stress response and cytotoxicity, and decrease tumor cell proliferation. Glutathione S-transferase P1-1 is an enzyme that is overexpressed in many human malignancies.