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2-Ethylhydrazide

National Cancer Institute

Source

National Cancer Institute. *2-Ethylhydrazide*. NCI Thesaurus. Code C1165.

A podophyllic acid derivative of podophyllotoxin, a substance extracted from the mandrake root *Podophyllum peltatum*. Possessing potent antineoplastic properties, 2-ethylhydrazide binds to and inhibits topoisomerase II and its function in ligating cleaved DNA molecules, resulting in the accumulation of single- or double-strand DNA breaks, the inhibition of DNA replication and transcription, and apoptotic cell death.