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Erastin Analogue PRLX 93936

National Cancer Institute

Source

National Cancer Institute. *Erastin Analogue PRLX 93936*. NCI Thesaurus. Code C70625.

A structural analogue of erastin with potential antineoplastic activity. Erastin analogue PRLX 93936 appears to inhibit mitochondrial outer membrane protein VDACS (voltage-dependent anion channels) 2 and 3, resulting in an oxidative, non-apoptotic cell death. Erastin analogue PRLX 93936 exhibits greater lethality in cell lines harboring mutations in the GTPase protein oncogenes HRAS and KRAS or the serine-threonine protein kinase oncogene BRAF than in non-tumorigenic cell lines. VDACS 2 and 3 are up-regulated in a wide variety of tumor cell lines.