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O-Chloroacetylcarbamoylefumagillol

National Cancer Institute

Source

National Cancer Institute. *O-Chloroacetylcarbamoylefumagillol*. NCI Thesaurus. Code C1298.

A synthetic analog of fumagillin, an antibiotic isolated from the fungus *Aspergillus fumigatus* fresenius with antineoplastic activity. TNP-470 binds to and irreversibly inactivates methionine aminopeptidase-2 (MetAP2), resulting in endothelial cell cycle arrest late in the G1 phase and inhibition of tumor angiogenesis. This agent may also induce the p53 pathway, thereby stimulating the production of cyclin-dependent kinase inhibitor p21 and inhibiting angiogenesis. (NCI04)