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MTOR1/2 Kinase Inhibitor ME-344

National Cancer Institute

Source

National Cancer Institute. *mTOR1/2 Kinase Inhibitor ME-344*. NCI Thesaurus. Code C101132.

An active metabolite of NV-128, a novel flavonoid small molecule inhibitor of the mammalian Target of Rapamycin (mTOR), with potential antineoplastic activity. Upon administration, mTOR1/2 Kinase inhibitor ME-344 downregulates the PIK3/AKT/mTOR pathway and results in chromatin condensation in the absence of caspase activation. Consequently, this agent induces caspase-independent cell death in tumor cells with a de-regulated PIK3/AKT/mTOR pathway or chemotherapeutic resistant cells.