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Depsipeptide Antineoplastic Antibiotic

National Cancer Institute

Source

National Cancer Institute. <u>Depsipeptide Antineoplastic Antibiotic</u>. NCI Thesaurus. Code C1976.

A bicyclic peptide antibiotic with one or more amide bonds replaced by ester bonds. Depsipeptide antibiotics act as histone deacetylase inhibitors and regulate chromatin structure and transcription by increasing histone acetylation, thereby resulting in alterations in gene expression and inducing cell differentiation, cell cycle arrest, and apoptosis.

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