

Apoptosis of HeLa cells of phenylpyridine derivatives

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Abstract

In order to discover novel anti-cancer agents, fermentation broths of microorganisms were screened. A novel compound was isolated from *Streptomyces* sp. found in soil and it was identified based on NMR spectroscopy and MS. Because its activity was not strong comparing to commercial drugs, its derivatives were selected and their apoptotic activities were tested in HeLA cells. Their activities were improved.

Reference

1. Min Kyoung Kim, Youl-Hee Cho, Jung Mogg Kim, Moon Woo Chun, Seung Ki Lee, Yoongho Lim, Chul-Hoon Lee. Induction of apoptosis in human leukemia cells by MCS-C2 via caspase-dependent Bid cleavage and cytochrome c release. (2005) *Cancer Lett.* 223, 239-247.