

论文

若干莽草酸衍生物的合成和生物活性研究

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摘要:

关键词: 莽草酸衍生物 二噁霉素

STUDIES ON THE SYNTHESIS AND BIOACTIVITY OF SOME NEW SHIKIMIC ACID DERIVATIVES

KL Sun; RS Li and XH Lei

Abstract:

Ten new shikimic acid derivatives, some of which are analogs of dioxolamycin were synthesized from methyl Shikimate because the bioactivity of shikimic acid derivatives has received considerably less attention to date. Compounds 4~10, 12, 16 were subjected to antimicrobial test in vitro, and showed no activity (MIC>25 μ/ml). Compounds 4~10, 12, 13, and 16 were subjected to cytostatic activity test against cultured L 1210 Leukemia cells in vitro. Compounds 4, 6, 13 and 16 showed cytostatic activity like dioxolamycin.

Keywords: Dioxolamycin Shikimic acid derivatives

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