

三重結合を有するC₁₆脂肪酸の合成と癌細胞浸潤阻害活性

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Preparation and Cancer Cell Invasion Inhibitory Effects of C₁₆-Alkynic Fatty Acids

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ABSTRACT : Five C₁₆-alkynic fatty acids were prepared, and examined their inhibitory effects on cancer cell invasion. It has been found that hexedeca-6,8,10-triynoic acid and hexadeca-8,10,12-triynoic acid exhibit similar potent inhibitory activities with that of octadeca-8,10,12-triynoic acid which was isolated from *Scurrula atropurpurea* (Loranthaceae).

抄録 三重結合を有する5種のC₁₆脂肪酸の合成を行い、それぞれの癌細胞浸潤阻害活性を調べた。その結果、hexedeca-6,8,10-triynoic acidとhexadeca-8,10,12-triynoic acidは、ヤドリギ科植物*Scurrula atropurpurea*から単離したoctadeca-8,10,12-triynoicと同様の強い阻害活性を示すことが判明した。

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