

Antiproliferative activity of octadeca-8,10,12-triynoic acid against human cancer cell lines=Antiproliferasi asam oktadeka -8,10,12-triunoat terhadap galur sel kanker manusia

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Abstrak

Antiproliferative activity test of octadeca-8,10,12-triynoic acid isolated from parasitic plant *Scurrula atropurpurea* (BI) was carried out against four kinds of human cancer cell lines, i.e: HeLa (human cervix epitheloid carcinoma), leukemia THPI, (human peripheral blood acute monocyte), carcinoma A549 (human lung carcinoma) and lymphoma HUT78 (human cutaneous T-cell lymphoma). The result showed that octadeca-8,10,12-triynoic acid exhibits the antiproliferative activity against four kinds of human cancer cell lines with the LC value of 0.66, 0.86, 0.99 and 2.36 mg/ml for HeLa, leukemia THPI, lung carcinoma A549, and lymphoma HUT78, respectively, lower than 4 mg/ml, which is the antiproliferative activity threshold for pure isolate or compound.