

Phytochemical screening and antiproliferative activity of some locally available plants in Jos metropolis

Six plants were collected from Jos metropolis through the help of “Obiyias Herbal Medicine”. The plants were air dried for 30 days and pulverized into powder. 50 gm of the powder samples were weighed and soaked in 250 ml of methanol for three working days, about 2 ml of each methanolic extract were placed in six different sample bottles. Each of the samples was spotted on TLC plates and each chromatogram was run in four different solvent systems. The developed chromatogram were viewed under daylight, UV light and sprayed with anisaldehyde solution as spraying agent. The phytochemical screening and antiproliferative activities of the six samples are reported. The TLC chromatogram of sample W3 was well resolved and because its phytochemical profile and anti-proliferative properties are very impressive, detailed chemical structural elucidation of each component in its extract was further studied with LCMS.

Biography

Ezekiel O Afolabi is currently working in the Dept. of Pharmaceutical Chemistry, University of Jos at Nigeria. His research interests are medicinal plants, chromatography and herbal medicine etc.

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