

Friedelane Type Triterpenoides from *Hybanthus enneaspermus* (Linn.) F. Muell.

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The objective of the present study was to isolate and characterize phytoconstituents from the unsaponified pet.ether extract of aerial parts of *Hybanthus enneaspermus* (Linn.) F.Muell family Violaceae. *Hybanthus enneaspermus* is distributed in warmer parts of India. The plant is used as aphrodisiac, demulscent, tonic and diuretic. It is also used to treat urinary infection, diarrhea, leucorrhoea, dysurea, inflammation and male sterility. Phytochemical investigation of aerial parts of *Hybanthus enneaspermus* yielded presence of triterpenoids. The unsaponifiable matter (USM) of pet. ether extract was subjected to column chromatography using activated silica gel. The column was eluted with n-hexane : ethyl acetate by gradually increasing its polarity. Chemical investigation resulted in the isolation of two new friedelane type triterpenoids for the first time with molecular mass of 472 & 444 and their molecular formula $C_{30}H_{48}O_4$ & $C_{30}H_{52}O_2$ respectively. The ^{13}C -NMR spectra showed the characteristic data of the proposed triterpene structure. The compounds were proposed to be 28-hydroxyfriedelane-3-one-29-oic acid and 3 β -28-dihydroxy friedelane on the basis of spectroscopic evidence, including nuclear magnetic spectroscopy as well as its IR spectrum.

Biography

Mona R. Kukkar, M. Pharm (Pharmacognosy) is Assistant Professor of A. R. College of Pharmacy, Gujarat. She is a recipient of Gold medal from Sardar Patel University, Gujarat, India. Currently she is pursuing Ph. D. in Pharmaceutical Sciences from same University. She has published five research articles and presented three research papers in different conferences.