

FOUR NEW OXYGENATED LUPANE DERIVATIVES FROM PLEUROSTYLIA OPPOSITA
(WALL) ALSTON, (CELASTRACEAE)

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Pristimerin, α -amyrin, β -sitosterol and nine triterpenes 1-9 were isolated from the benzene extract of the stem bark of *Pleurostyliia opposita* (Celastraceae). Chemical and spectroscopic evidence was used to identify compounds 2, 4, 5, 6, 7 and 8 as lup-5,20(29)-diene-3-one(2) [m.o.214°-216°, $[\alpha]_D + 64.4(\text{CHCl}_3)$]; 20-hydroxy-lupan-3-one(4)¹; 6 β , 20-dihydroxy-lupan-3-one(5) [m.p.249-252°C, $[\alpha]_D -37.5(\text{CHCl}_3)$]; 3 β ,6 β -dihydroxy-lup-20(29)-ene-3-one(6) [m.p. 196-198°C; $[\alpha]_D + 4^\circ(\text{CHCl}_3)$]; 3 β , 20-dihydroxy-lupan-3-ol(7)¹ and 6 β ,28-dihydroxy-lup-20(29)-ene-3-one(8) [m.p.228-229° $[\alpha]_D, -21,3(\text{CHCl}_3)$] respectively. Compounds 2, 5, 6 and 8 are new compounds.

A lupane derivative isolated from *Maytenus rigida* has been assigned the structure 6 α -hydroxy-lup-20-(29)-ene-3-one². Our studies indicate that this assignment is incorrect. Hence compounds 5, 6 and 8 are the first examples reported of lupanes with an oxygen substituent at C-6.

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