

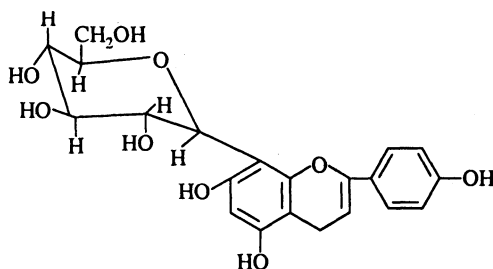
NOTE

Chemical Constituents of *Anogeissus latifolia*

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Anogeissus latifolia (Wall) belongs to natural order Combretaceae and is known 'Dhava' in hindi. It is distributed in the tropical and temperate regions of India. The plant is reported to possess important medicinal values¹. The presence of polyphenol, galactonins, sterols and flavonoidal glycosides has been reported from the plant². In the present communication, an isolation and structural elucidation of a flavonoid c-glucoside is reported³.



Air dried stem of *A. latifolia* (4 kg) was kept soaked with methanol (10 L) for 4 weeks. The methanolic extract was collected and concentrated under reduced pressure to 100 mL. The concentrated extract, when kept overnight at room temperature, deposited a solid which was filtered and crystallized from MeOH to yield a compound (14 g, 0.4%), m.p. 264°C, $[\alpha]_D^{25} -14^\circ$ (pyridine), m.f. $C_{21}H_{20}O_{10}$, λ_{max} (EtOH) 217, 273 and 316 nm, IR (KBr, cm^{-1}): 3240 ν (chelated OH), 3385 ν (OH), 1660 ν (chelated C=O), 1570 and 838 ν (aromatic nucleus); ¹H NMR and (DMSO-*d*₆) 3.24–3.86 (6H, m, H-2'', 3'', H-4'', H-5'' and H-6''), 4.69 (1H, d, J, 9.8 Hz, H-1''), 6.27 (1H, s, H-6), 6.78 (1H, s, H-3), 6.88 (2H, d, J 8.3 Hz, H-3' and H-5'), 8.02 (2H, d, J 8.3 Hz, H-2' and H-6'), 10.37, 10.87 and 13.17 (each 1H, s, disappeared on deuterium exchange 3 × ArOH).

ACKNOWLEDGEMENTS

The author thanks the Principal, Government P.G. College, Bina and Prof. V.K. Saxena, Head, Department of Chemistry, Dr. H.S. Gour University, Sagar, for providing help.

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(Received: 31 March 2005; Accepted: 11 August 2005)

AJC-4348

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