A Dihydroflavonol with Taxonomic Significance from the Fern
Notholaena sulphurea

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A new flavonoid, 2,3-trans-5,2'-dihydroxy-7,8-dimethoxy-dihydroflavonol-3-O-acetate, was
isolated from the farinose coating on the lower leave surface of the fern, Notholaena sul-
phurea. The 2,3-cis diastereoisomer was isolated as a co-constituent. This novel acylated
flavonoid is characteristic for the chemotype of N. sulphurea exhibiting yellow frond exudate.
Its occurrence underlines the affiliation of the species with the genus Notholaena.