

TWO NEW FLAVONOIDS FROM *POLYGALA JAVANA* DC. (POLYGALACEAE)

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From the phenolic fraction of the chloroform extract of *Polygala javana* two yellow pigments and two UV fluorescent compounds have been isolated. The pigments were shown to be 4, 5-dihydroxy-3, 6, 8-trimethoxy flavone and 3', 4' 5-trihydroxy 3, 5', 6, 8-tetramethoxyflavone by combined spectroscopic and chemical methods. A non reducing sugar hexitol, polygalitol¹ was isolated from the methanol extract of *P. javana* and was shown to occur in *P. arillata*, *P. chinensis*, *P. rosmarinifolia* and *P. telephoides*. Presence of polygalitol in all the *Polygala* species studied may be of chemotaxonomic significance.

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Reference:

1. W. Karrer. *Konstitution und Vorkommen der Organischen Pflanzenstoffe*, Birkhauser, 1958, p. 69.