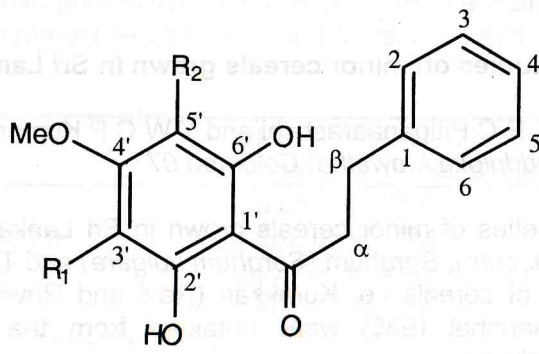


Antioxidant dihydrochalcones from the leaves of *Syzygium jambos*

R M S Ratnayake, M M W S Medawala and U L B Jayasinghe*

Institute of Fundamental Studies, Kandy

In a continuation of our studies towards the search for biologically active compounds from Sri Lankan plants, the present study is carried out on the leaves of *Syzygium jambos* (L.) Alston of the family Myrtaceae. *Syzygium jambos* is a tree of moderate size, cultivated in the home gardens of Sri Lanka for its delicious fruit as well as an ornamental plant. Chromatographic separation of the dichloromethane extract of the leaves of *S. jambos* furnished three rare dihydrochalcones, phloretin 4'-O-methyl ether (2',6'-dihydroxy-4'-methoxydihydrochalcone (1), myrigalone G (2',6'-dihydroxy-4'-methoxy-3'-methyl dihydro chalcone) (2) and myrigalone B (2',6'-dihydroxy-4'-methoxy-3',5'-dimethyl dihydro chalcone (3) with antioxidant properties towards the DPPH radical by spectrophotometric method.



1: $R_1, R_2=H$

2: $R_1=Me, R_2=H$

3: $R_1, R_2=Me$

* lalith@ifs.ac.lk

Tel: 081-2232002