

CHAPTER V

CONCLUSION

Nineteen pure compounds were isolated from *O. integerrima*, including two new compounds, 6'''-hydroxylophirone B (173) and 6'''-hydroxylophirone B 4'''-O- β -glucoside (174). The known compounds were lophirone C (1), ochnaflavone (4), calodenone (21), 5-hydroxy-4'-methoxy-6,7-methylenedioxy isoflavone (26), lophirone A (27), 7''-O-methyl ochnaflavone (47), squarrosin (58), 5,3',4'-trimethoxy-6,7-methylenedioxy isoflavone (60), 3,3',4',5,7-pentahydroxy-6-prenylflavanone (170), 3-(2,4-dihydroxybenzoyl)-4,6-dihydroxy-2-(4-hydroxyphenyl) 1-benzofuran-7-yl 2-(4-hydroxyphenyl) ethenyl ketone (171), 3-(2,4-dihydroxybenzoyl)-2,3-dihydro-4,6-dihydroxy-2-(4-hydroxyphenyl)-1-benzofuran-7-yl 2-(4-hydroxyphenyl) ethenyl ketone (172), 5,4'-dimethoxy-6,7-methylenedioxy isoflavone (175), gerontoisoflavone A (176), 4',7-dihydroxy 5-methoxy isoflavone (177), *trans* tetracocyl ferulate (178), 2,7,4'-trihydroxy isoflavone (179) and protocatechuic acid (180). Compound 171, 177 and 179 exhibited appreciable DPPH radical scavenging activity with IC₅₀ values of 20.0, 78.9 and 18.0 μ M, respectively.

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