Iridoid Glucosides from Turkish Phlomis tuberosa

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From the aerial parts of Phlomis tuberosa a new iridoid glucoside, chlorotuberoside was isolated together with five known iridoid glucosides, lamalbide, shanzhiside methyl ester, 7-\textit{epi}-phlomiol (= phloyoside I), sesamoside and 5-deoxysesamoside. Two known phenylethanoid glycosides, forsythoside B, and decaffeoylactoside, three known neolignan glycosides, dehydrodiconiferyl alcohol 9'-\textit{O}-\textit{β}-D-glucopyranoside, dihydrodehydrodiconiferyl alcohol 9-O-\textit{β}-D-glucopyranoside and dihydrodehydrodiconiferyl alcohol 9'-O-\textit{β}-D-glucopyranoside were also obtained and characterized. The structures of the isolates were elucidated on the basis of spectroscopic data. The three known phenylethanoid glycosides, verbascoside, leucosceptoside A and martynoside were identified by TLC comparison with authentic compounds.

\textit{Key words:} Phlomis tuberosa, Lamiaceae, Iridoid Glucosides, Chlorotuberoside