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Diterpenes from *Sideritis sipylea* and *S. dichotoma*

Gülaçtı TOPÇU*, Ahmet C. GÖREN

*University of İstanbul, Faculty of Pharmacy,

34452, Beyazıt, İstanbul-TURKEY

TÜBİTAK, Marmara Research Center, Department of Chemistry,

P.O. Box 21, 41470, Gebze, Kocaeli-TURKEY

Turgut KILIÇ, Y. Kemal YILDIZ

Balıkesir University, Necatibey Education Faculty,

Department of Chemistry, 10100 Balıkesir-TURKEY

Gülendam TÜMEN

Balıkesir University, Art and Science Faculty, Department of Biology,
10100 Balıkesir, TURKEY

Abstract: Two *Sideritis* species afforded eleven kaurene and one beyerene diterpenes. Structures of the compounds from *Sideritis sipylea* were elucidated as linearol (1), 7-epicandiciol (2), sideridiol (3), siderol (4), isolinearol (5), isosidol (6) and epoxyisolinearol (7). Linearol was treated with *m*-chloroperbenzoic to afford its analogues ent-3 β ,7 α ,17-trihydroxy-18-acetoxycaur-15-ene (1a) and ent-7 α ,17,18-trihydroxy-3 β -acetoxycaur-15-ene (1b) as new compounds. From the second species, *Sideritis dichotoma*, the kaurenes sideridiol (3) siderol (4), ent-7 α ,18-dihydroxy-15 β ,16 β -epoxykaurane (8), ent-7 α -acetoxycaur-15-ene (9), ent-7 α -acetoxycaur-15,18-dihydroxykaur-16-ene (10), ent-7 α ,15,18-trihydroxykaur-16-ene (11) and the beyerene ent-7 α ,18-dihydroxybeyer-15-ene (12) were isolated. Structural elucidation is based on NMR techniques and mass spectrometer analyses.

Key Words: Labiatae, *Sideritis sipylea*, *Sideritis dichotoma*, diterpenoids, kaurane, kaurene, beyerene.

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