

FURANOCOUMARINS FROM THE ROOT OF *HERACLEUM MANTEGAZZIANUM*

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Key Word Index—*Heracleum mantegazzianum*, Umbelliferae furanocoumarins

Plant *Heracleum mantegazzianum* Somm & Lev *Source* Plants were collected at the Quartier-Léopold, Brussels Material was identified in the herbarium of the Jardin Botanique National de Belgique *Previous work* Roots¹, fruit²

Roots Dry roots (135 g) were extracted with light petrol (25–50°)–Et₂O (1:1), compounds were isolated by silica gel column chromatography, eluted with light petrol (25–50°) with increasing amounts of Et₂O and by silica gel preparative TLC with CHCl₃ and CH₂Cl₂ in various proportions Pimpinellin, angelicin, isobergapten, bergapten, xanthotoxin, isopimpinellin and sphondin were identified by UV, NMR and MS and m m p and by direct comparison with authentic samples by TLC³ and GLC⁴

Acknowledgement - We thank Dr Th Beyrich for specimens of authentic samples

¹ LEE, E C, CATALFOMO, PH and SCIUCHETTI A (1966) *J Pharm Sci* **55**, 521

² BEYRICH, TH (1968) *Die Pharm* **23**, 336

³ BEYRICH, TH (1965) *Planta Med* **13**, 439

⁴ HAESSEN, J P SZUM VORDESIEVE VORDING, J G M and KHO, K F F (1971) *Planta Med* **19**, 285

TERPENOIDS AND FLAVONES OF *CALLICARPA* *MACROPHYLLA* AND *C LONGIFOLIA*

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Key Word Index—*Callicarpa macrophylla*, *C longifolia*, Verbenaceae, calliterpenone and its monoacetate, sitosterol ursolic acid, 7-O-glucuronides of luteolin and apigenin