

# ***n*-Alkylresorcinol Occurrence in *Mercurialis perennis* L. (Euphorbiaceae)**

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Investigation of the dichloromethane extracts from herbal and root parts of *Mercurialis perennis* L. afforded a mixture of 11 homologous *n*-alkylresorcinols (ARs) with saturated odd-numbered alkyl side chains (C15:0–C27:0). In addition to three predominant ARs (C19:0, C21:0 and C23:0), a number of minor ARs were identified by use of LC-MS/MS and GC-MS techniques. Among the compounds detected, four uncommon ARs with even-numbered alkyl side chain lengths were also determined. The overall AR concentration in herbal parts was 7 to 9 times higher compared to that of the roots. The results presented may open a new view on the phytochemistry and pharmacognosy of *M. perennis* and other members of the Euphorbiaceae family.

*Key words:* *Mercurialis*, Euphorbiaceae, Acalypheae, *n*-Alkylresorcinols