

5-*n*-Alkylresorcinols from Grains of Winter Barley (*Hordeum vulgare* L.)

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The resorcinolic lipid content and homologue composition of winter barley grains harvested at two field locations were evaluated. Depending on the crop location, the predominant alkylresorcinols identified were 1,3-dihydroxy-5-*n*-heneicosylbenzene or 1,3-dihydroxy-5-*n*-pentacosylbenzene. Both resorcinol concentration and their homologue profiles were diverse in samples harvested at different fields indicating a prevailing role of the environment upon the alkylresorcinol biosynthesis in cereals.

Key words: Resorcinolic Lipids, Phenols, Cereals