

Antidiabetic Dimeric Guianolides and Lignan

glycoside from *Lactuca indica*

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Abstract

Three novel sesquiterpene lactones, lactucain A (1), B (2), and C (3), and a new furofuran lignan, lactucaside (4), were isolated from *Lactuca indica* along with nine known compounds, 11beta,13-dihydrolactucin, cichoriosides B, quercetin, quercetin 3-O-glucoside, rutin, apigenin, luteolin, luteolin 7-O-glucuronide, and chlorogenic acid. Among these compounds, lactucain C (3) and lactucaside (4) showed significant antidiabetic activity.