Triterpenoid Saponins from Atriplex semibaccata

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Four new triterpenoid saponins, $3-O-\{[\beta-D-glucopyranosyl-(1\rightarrow 2)]-\beta-D-galactopyranosyl\}$ 11α-methoxy-23-hydroxylongispinogenin, 3-O-{[β -D-glucopyranosyl-(1 \rightarrow 2)]- β -D-galactopyra-

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nosyl}-11 α -methoxy-23,29-dihydroxylongispinogenin, 3- \hat{O} -{[β -D-glucopyranosyl-(1 \rightarrow 2)]- $\hat{\beta}$ -Dgalactopyranosyl]-29-hydroxysaikogenin F and $3-O-\{[\beta-D-\text{glucopyranosyl}-(1\rightarrow 2)]-\beta-D-\text{galacto-}$ pyranosyl}-saikogenin F, have been isolated from Atriplex semibaccata. The structures were

determined primarily by NMR spectroscopy. The assignment of NMR signals was performed by means of ¹H-¹H COSY, ROESY, HMOC and HMBC experiments.

Key words: Atriplex semibaccata, Triterpenoid Saponins, Chenopodiaceae