New Steroidal Saponins from Rhizomes of *Costus spiralis*

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Z. Naturforsch. **59c**, 81–85 (2004); received May 21, 2003 Two new steroidal saponins were isolated from the rhizomes of *Costus spiralis* Rosc. Their structures were established as $(3\beta,25R)-26-(\beta-D-glucopyranosyloxy)-22-hydroxyfurost-5$ en-3-yl O-D-apio- β -D-furanosyl- $(1\rightarrow 2)$ -O- $[\alpha$ -L-rhamnopyranosyl- $(1\rightarrow 4)]$ - β -D-glucopyranoside

identifications were performed using detailed analyses of ¹H and ¹³C NMR spectra including 2D NMR spectroscopic techniques (DEPT, COSY, HETCOR and COLOC) and chemical

(1) and $(3\beta,25R)$ -26- $(\beta$ -D-glucopyranosyloxy)-22-hydroxyfurost-5-en-3-vl O-D-apio- β -D-fura-

nosyl- $(1\rightarrow 4)$ -O- $[\alpha$ -L-rhamnopyranosyl- $(1\rightarrow 2)]$ - β -D-glucopyranoside (2). Their structural

conversions. The steroidal saponins were evaluated for anti-inflammatory activity. Key words: Costus spiralis, Steroidal Saponins, Anti-inflammatory Activity

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