A New Bioactive Steroidal Saponin from *Agave attenuata*

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A new steroidal saponin was isolated from the leaves of *Agave attenuata* Salm-Dyck. Its structure was established as (3β,5β,22α,25S)-26-(β-D-glucopyranosyloxy)-22-methoxyfurostan-3-yl O-β-D-glucopyranosyl-(1→2)-β-D-glucopyranosyl-(1→2)-O-[β-D-glucopyranosyl-(1→3)]-β-D-glucopyranosyl-(1→4)-β-D-galactopyranoside. The structural identification was performed using detailed analyses of $^1$H and $^13$C NMR spectra including 2D NMR spectroscopic techniques (COSY, HETCOR and COLOC) and chemical conversions. The haemolytic potential of the steroidal saponin was evaluated and the anti-inflammatory activity was performed using the capillary permeability assay.