Indonesian Medicinal Plants. XXIII. Chemical Structures of Two New Migrated Pimarane-type Diterpenes, Neoorthosiphols A and B, and Suppressive Effects on Rat Thoracic Aorta of Chemical Constituents Isolated from the Leaves of Orthosiphon aristatus (Lamiaceae)

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ABSTRACT: Two novel migrated pimarane-type diterpenes named neoorthosiphol A and B were isolated from the water decoction of the leaves of Orthosiphon aristatus (Lamiaceae). The absolute chemical structures have been elucidated on the basis of physicochemical properties. It has been found that 11 chemical constituents isolated from the leaves exhibit a suppressive effect on contractile responses in rat thoracic aorta.

抄録 Orthosiphon aristatus 葉から 2 種の新規転位ピマラン型ジテルペンを単離し、それらの絶対化学構造を解明するとともに、同葉から単離した11種の含有成分がラット胸部大動脈平滑筋の収縮抑制効果を示すことを明らかにした。

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