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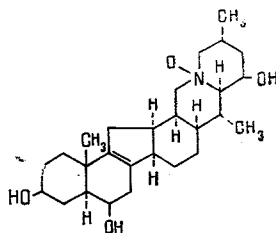
Continuing an investigation of the total alkaloids of *Korolkowia sewerzowii* Regl. [1,2], from combined fractions 25-34 we have isolated a previously unknown alkaloid (I) with the composition $C_{27}H_{43}NO_4$, mp 257-259°C (acetone), $[\alpha]_D - 8^\circ$ (c, 0.74; ethanol).

The IR spectrum of (I) had absorption bands of active hydrogen atoms (3400 cm^{-1}) and of C=C bonds (1655 cm^{-1}). In the PMR spectrum of the base (in CD_3OD , C-60 HL), protons resonated in the form of a singlet at 0.98 ppm (3 H, 19- CH_3) and of doublets at 0.87 (3 H, 21- CH_3) and 1.04 ppm (3 H, 27- CH_3). The mass spectrum of (I) contained the main peaks of ions with m/z 445 (M^+), 430 ($M-15^+$), 429 ($M-16^+$) (100%), 428 ($M-18^+$) 426, 425, 414, 412, 410, 400, 358, 288, 286, 256, 180, 178, 149, 141, 129, 128 (100%), 127, 121, 114, 110.

The comparatively ready solubility of the bases in water and the presence in the mass spectrum of strong peaks of ions with m/z ($M-16^+$) and ($M-17^+$) permitted (I) to be assigned to the N-oxides.

When (I) was reduced with zinc and sulfuric acid, a compound identical according to its R_f value and spectral characteristics with korsine [1, 3] was obtained.

The oxidation of korsine with hydrogen peroxide led to its N-oxide, which was identical with alkaloid (I). Thus, it may be concluded unambiguously that (I) was korsine N-oxide.



LITERATURE CITED

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3. R. N. Nuriddinov, A. I. Saidkhodzhaev, and S. Yu. Yunusov, *Khim. Prir. Soedin.*, 61 (1969).