

SHORT COMMUNICATION

CONSTITUENTS OF *VERONICASTRUM SIBIRICUM*  
PENNEL VAR. *JAPONICUM* HARA

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*Plant.* *Veronicastrum sibiricum* Pennell var. *japonicum* Hara—Scrophulariaceae.

*Extr.* MeOH; water-soluble fraction: Mannitol  $C_6H_{14}O_6$ , m.p. mxd m.p. i.r.; acetate, m.p. mxd m.p. i.r.; Aucubin  $C_{15}H_{22}O_9 \cdot H_2O$ , m.p. ( $\alpha$ )<sub>D</sub>, mxd m.p.<sup>1</sup> i.r. NMR; acetate, m.p. mxd m.p. i.r. NMR; Arbutin  $C_{12}H_{16}O_7$ , m.p. mxd m.p.<sup>2</sup> i.r. NMR; acetate  $C_{22}H_{26}O_{12}$ , m.p. 147–148°, methylation product with diazomethane (methylarbutin)  $C_{13}H_{18}O_7$ , m.p. 177–178°.

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<sup>1</sup> S. FUJISE, H. OBARA and H. UDA, *Chem. & Ind.* 289 and references cited therein (1960).

<sup>2</sup> T. KARIYONE, M. TAKAHASHI and K. TAKAISHI, *Yakugaku Zasshi* **72**, 13 (1952).