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Author	清水, 訓子(Shimizu, Noriko) 淺原, 初木(Asahara, Hatsuki) 友田, 正司(Tomoda, Masashi) 権田, 良子(Gonda, Ryoko) 大原, 直子(Ohara, Naoko)
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## Constituents of the Seed of *Malva verticillata*. VII. Structural Features and Reticuloendothelial System-Potentiating Activity of MVS-I, the Major Neutral Polysaccharide\*

Noriko Shimizu, Hatsuki Asahara, Masashi Tomoda, Ryōko Gonda and Naoko Ōhara

清水訓子,淺原初木,友田正司,権田良子,大原直子

The structural features of MVS-I, the major neutral polysaccharide isolated from the seeds of *Malva verticillata* L., were elucidated by controlled Smith degradation, methylation analysis, partial acid hydrolysis and enzymic degradation studies. It has a backbone chain composed of both  $\beta$ -1,3-linked D-glucopyranose and  $\beta$ -1,3-linked D-galactopyranose residues having branches composed of  $\alpha$ -1,5-linked L-arabinofuranosyl  $\beta$ -1,4-linked D-galactopyranose and of  $\beta$ -1,4-linked D-galactopyranosyl  $\beta$ -1,3-linked D-glucopyranose residues at position 6 of a part of D-galactose units as side chains. MVS-I showed remarkable reticuloendothelial system-potentiating activity in a carbon clearance test.

<sup>\*</sup> 本報告は Chem. Pharm. Bull., 39, 2630-2632 (1991) に発表.