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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*

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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 β -1,3-linked D-glucopyranose and β -1,3-linked D-galactopyranose residues having branches composed of α -1,5-linked L-arabinofuranosyl β -1,4-linked D-galactopyranose and of β -1,4-linked D-galactopyranosyl β -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.

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