

ARABINO-(1→4)-β-D-XYLAN FROM WHEAT FLOUR

FOR RESEARCH PURPOSES ONLY

Cat. No. 300-4

CHEMICAL PROPERTIES

The arabino-(1→4)-β-D-xylan is made from the walls of wheat endosperm cells (Fincher & Stone, 1986). It is a linear β-D-xylopyranose polymer substituted at C(O)2 or C(O)3, or both by arabinofuranosyl residues. Its molecular weight is ~65,000 (Andrewartha, *et al.*, (1979). The *Xyl/Ara* ratio is ~2.9. A few arabinosyl residues are esterified at C(O)5 by *trans*-ferulic acid. The preparation dissolves readily in water to give a viscous solution.

APPLICATIONS

As a substrate for (1→4)-β-D-xylan endohydrolase assays, using either viscometric or reductometric procedures.

REFERENCES

- Andrewartha, K., Phillips, D.R. & Stone, B.A. (1979). *Carbohydr. Res.*, 77: 191-204.
Fincher, G.B. & Stone, B.A. (1986). *Adv. Cereal Sci. & Tech.* 8: 207-295.

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