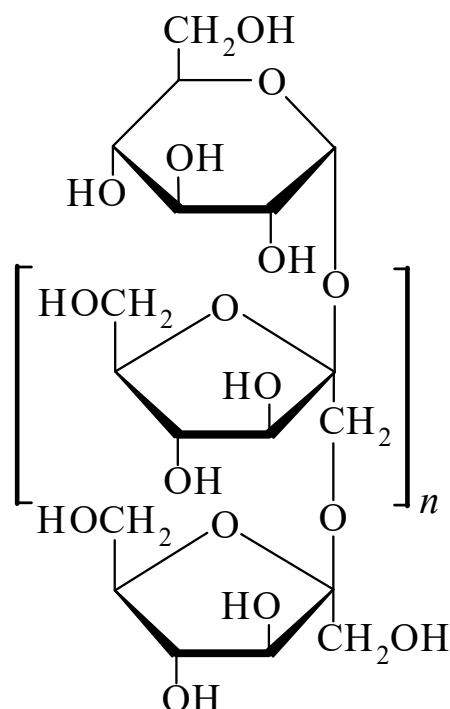




>>Entry Name: Inulin, 9CI, 8CI, BAN, USAN

ENTRY UNDER REVIEW

Synonym(s): Dahlin. Plant starch



CAS Registry Number: 9005-80-5

and D-Glucose on acid hydrol.

Biological Source: Replaces starch as a reserve food in Jerusalem artichoke (*Helianthus tuberosus*) and in other members of Compositae. Also present in a few Campanulaceae and Lobeliaceae

Biological Use/Importance: Diagnostic aid for kidney function

Optical Rotation: $[\alpha]_{\text{D}}^{20} -40$ (c, 2.0 in H₂O)

Calculated Log P Data: Log P -7.77 (uncertain value) (calc)

from various species and given trivial names include Secalin and Asparagosin from asparagus

Aldrich: 26070-3

Fluka: 57614

Sigma: I2255

>>Derivative: Per-Ac

CAS Registry Number: 59818-02-9

Optical Rotation: $[\alpha]_{\text{D}}^{20} -34$ (c, 1.6 in CHCl₃)

>>Derivative: Per-Me

Melting Point: Mp 140°

Optical Rotation: $[\alpha]_{\text{D}}^{20} -55$ (c, 1.0 in CHCl₃)

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