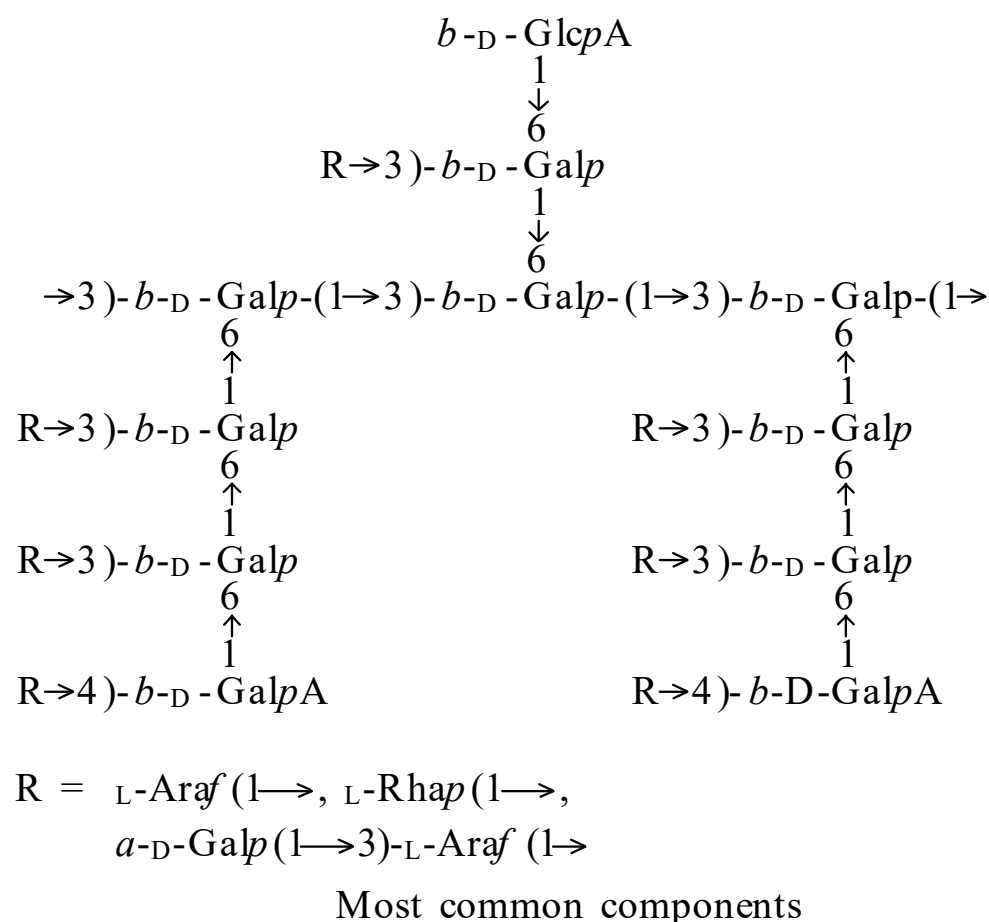




>>Entry Name: Arabic acid, 9Cl, 8Cl
ENTRY UNDER REVIEW



CAS Registry Number: 32609-14-6

General Statement: A highly branched polysaccharide composed of L-Arabinose, D-Galactose, L-Rhamnose and D-Gluconic acid in an approximate 3:3:1:1 ratio

Biological Source: Salt-free polysaccharide formed by precipitation from an acidified soln. of gum arabic

Sigma: A3006

>>Derivative: Per-Ac

Optical Rotation: $[\alpha]_{\text{D}} -21$ (c, 0.94 in CHCl_3)

>>Derivative: Me ester

Optical Rotation: $[\alpha]_{\text{D}}^{19} -47$ (c, 1.0 in CHCl_3)

>>Derivative: Mixed salts

Synonym(s): Gum arabic. Australian gum. Acacia gum. Wattle gum. FEMA 2001

CAS Registry Number: 9000-01-5

Biological Source: The dried gummy exudate from the stems and branches of *Acacia senegal* and other *A.* species

Use/Importance: Used as protective colloid to prevent settling of ppts. in some photometric and turbidimetric detns.

Physical Description: Yellowish-amber lumps

Other Data: Dissolves slowly in H_2O

Aldrich: 26077-0

Fluka: 51200

Sigma: G9752

>>Derivative: Mixed salts, per-Me

Optical Rotation: $[\alpha]_{\text{D}} -48$ (c, 1.0 in CHCl_3)

References: