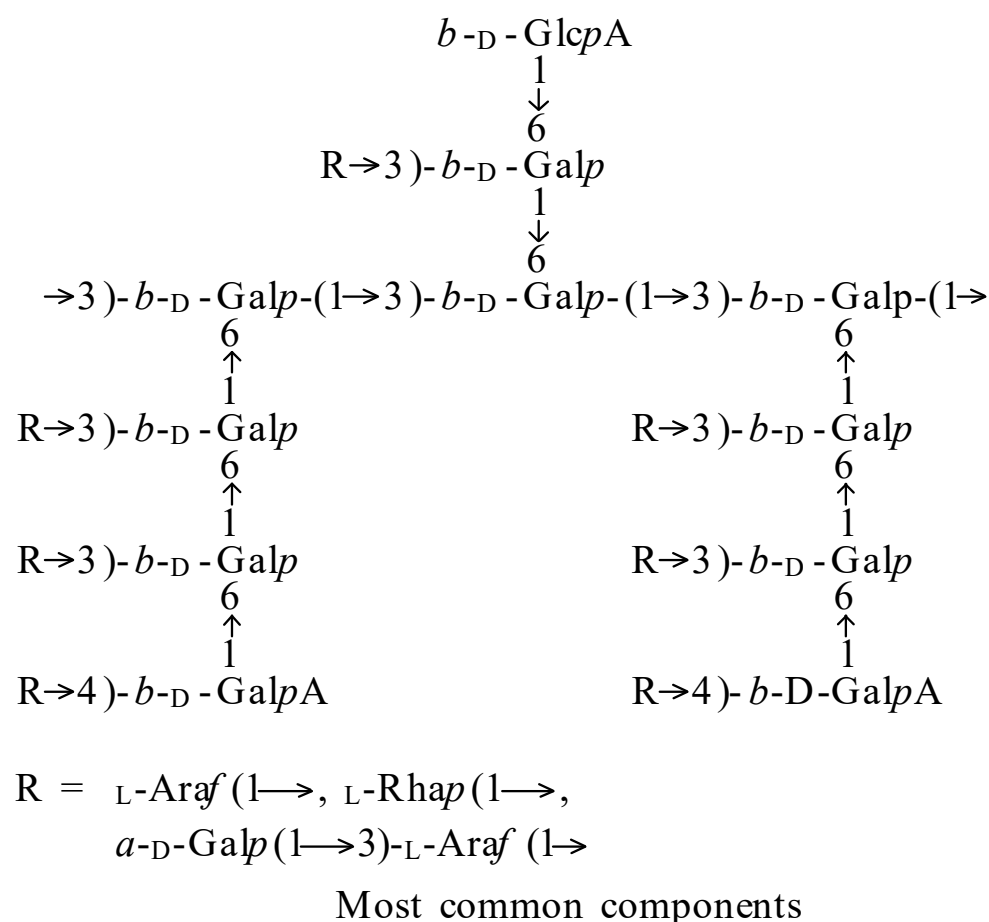




>>Entry Name: Arabic acid, 9CI, 8CI  
ENTRY UNDER REVIEW



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  $\text{CHCl}_3$ )

>>Derivative: Me ester

**Optical Rotation:**  $[\alpha]_{\text{D}}^{19} -47$  (c, 1.0 in  $\text{CHCl}_3$ )

>>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  $\text{H}_2\text{O}$

**Aldrich:** 26077-0

**Fluka:** 51200

**Sigma:** G9752

>>Derivative: Mixed salts, per-Me

**Optical Rotation:**  $[\alpha]_{\text{D}} -48$  (c, 1.0 in  $\text{CHCl}_3$ )

**References:**