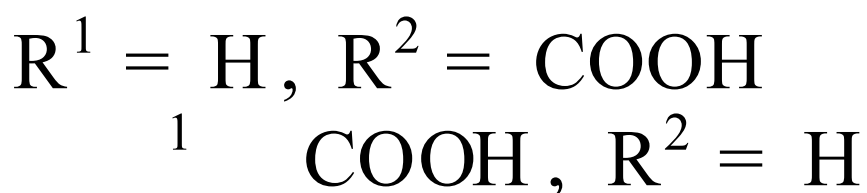
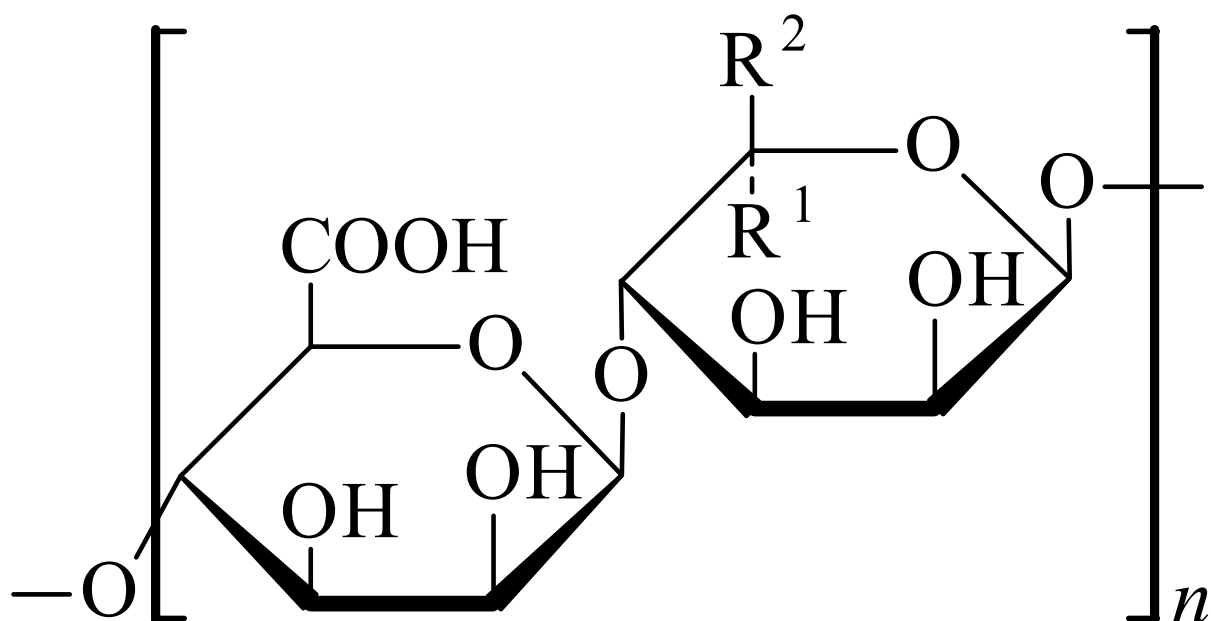




>>Entry Name: Alginic acid, BAN

ENTRY UNDER REVIEW

Synonym(s): Gum levan. Levan gum. Kelacid. E400



CAS Registry Number: 9005-32-7

Related CAS Registry Numbers(s): 9005-31-6 9005-35-0 9005-36-1 9005-37-2 9005-38-3 9019-42-5

Molecular Formula: $C_6H_8O_6$

Molecular Weight: 176.126

Accurate Mass: 176.03209

Percentage Composition: C 40.92%; H 4.58%; O 54.50%

linked 1→4 and arranged in a block fashion. Polymeric. Minimum formula given.

Biological Source: Occurs as the major matrix polysaccharide in brown seaweed (Phaeophyceae) as an insol. complex of K, Na, Ca and Mg alginates

Use/Importance: Alginates are used to improve food texture, e.g. ice cream, pie fillings etc., as a tablet disintegrant and as paper coatings. Pharmaceutical aid for preparation of water-miscible pastes, creams and gels. Co-administered with antacid or H_2 -receptor agonist for management of gastro-oesophageal reflux. Food additive: emulsifier, stabilizer, thickener