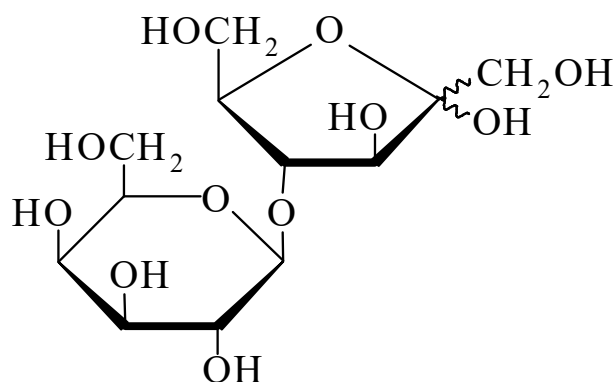




>>Entry Name: Lactulose, BAN, INN, JAN, USAN

Synonym(s): 4-O-β-D-Galactopyranosyl-D-fructose, 9Cl. Bifiteral. Cephulac. Duphalac. Laevilac. Normose. Many other names



CAS Registry Number: 4618-18-2

Molecular Formula: C₁₂H₂₂O₁₁

Molecular Weight: 342.299

Accurate Mass: 342.116215

Percentage Composition: C 42.11%; H 6.48%; O 51.42%

Use/Importance: Used in the treatment of hepatic coma and chronic constipation

Melting Point: Mp 168-171°

Optical Rotation: [α]_D²⁰ -51.4 (c, 4.0 in H₂O)

Solubility: V. sol. H₂O (65.4% w/w, 30°)

Fluka: 61360

Sigma: L7877

>>Derivative: Octa-Ac

Molecular Formula: C₂₈H₃₈O₁₉

Molecular Weight: 678.597

Accurate Mass: 678.200735

Percentage Composition: C 49.56%; H 5.64%; O 44.80%

Physical Description: Needles (EtOH)

Melting Point: Mp 138°

Optical Rotation: [α]_D²⁰ -6.6 (CHCl₃)

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