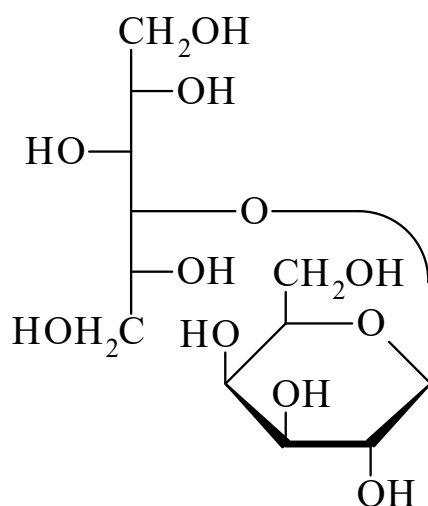




>>Entry Name: Lactitol, BAN, INN

ENTRY UNDER REVIEW

Synonym(s): 4-O-β-D-Galactopyranosyl-D-glucitol, 9CI. Emportal. Floralac. Importal. Oponaf. Portolac. E966



CAS Registry Number: 585-86-4

Related CAS Registry Numbers(s): 81025-03-8

Extra CAS Registry Numbers(s): 81025-04-9

Molecular Formula: C₁₂H₂₄O₁₁

Molecular Weight: 344.315

Accurate Mass: 344.131865

Percentage Composition: C 41.86%; H 7.03%; O 51.11%

Use/Importance: Artificial sweetener used in foods. Monohydrate used in the management of hepatic encephalopathy. Bulking agent for cosmetics and pharmaceuticals. Laxative

Physical Description: Cryst. + 1, 2 or 3H₂O

Melting Point: Mp 95-98° (monohydrate)

Calculated Log P Data: Log P -6.86 (calc)

Other Data: A food additive petition for GRAS status has been filed with the FDA

Hazard & Toxicity: LD₅₀ (rat, orl) 27500 mg/kg

Other: Carbomer Inc

References:

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Van Velthuisen, J.A. *et al.*, *Food Sci. Technol.*, 1991, **48**, 283, (*rev*)
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