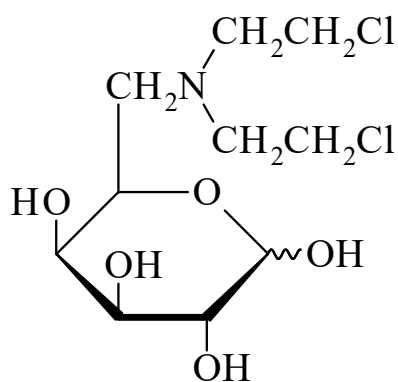




>>Entry Name: Galamustine, INN

Synonym(s): 6-[Bis(2-chloroethyl)amino]-6-deoxy-D-galactopyranose, 9Cl. C6-Galactose mustard. C6-GLM



CAS Registry Number: 105618-02-8

Related CAS Registry Numbers(s): 103626-20-6 103626-21-7

Molecular Formula: C₁₀H₁₉Cl₂NO₅

Molecular Weight: 304.169

Accurate Mass: 303.064028

Percentage Composition: C 39.49%; H 6.30%; Cl 23.31%; N 4.60%; O 26.30%

Use/Importance: Antineoplastic agent (alkylating agent)

Calculated Log P Data: Log P -1.57 (calc)

Other Data: Compd. exists as β-anomer chair conformn., α-anomer chair conformn. and several equilibrating boat conformns.

>>Derivative: Hydrochloride

CAS Registry Number: 107811-63-2

Physical Description: Hygroscopic solid

Optical Rotation: $[\alpha]_D^{23} +53 \rightarrow +57$

Hazard & Toxicity: LD₁₀ (mus, ipr) 15.5 mg/kg

References:

Schein, P.S. *et al.*, *Cancer Res.*, 1987, **47**, 696, (*pharmacol*)

Schein, P.S. *et al.*, *J. Pharm. Sci.*, 1989, **78**, 918, (*synth, pmr, pharmacol*)