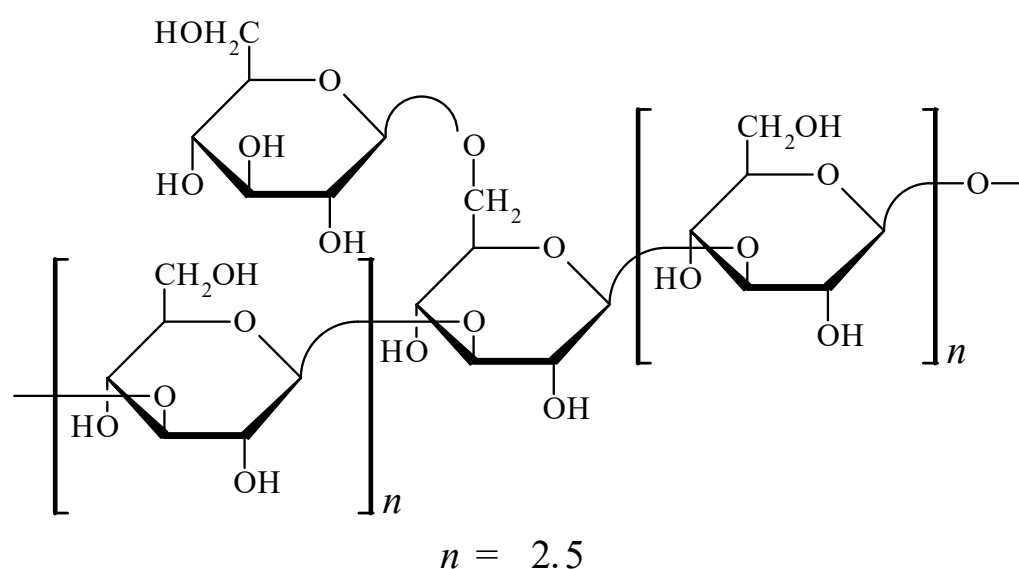




>>Entry Name: Lentinan



CAS Registry Number: 37339-90-5

Related CAS Registry Numbers(s): 114285-68-6

Biological Source: Elaborated by the fungus *Lentinus edodes*

Use/Importance: Shows growth-inhibitory activity against certain allogenic tumours, particularly mouse sarcoma 180. Immunostimulant. Has been used in the treatment of malignant neoplasms and AIDS

Physical Description: Powder

Development Status: Launched 1986

Solubility: BERDY SOL: Sol. H₂O, DMSO; fairly sol. H₂O; poorly sol. EtOH, hexane

UV: [neutral] $\lambda_{\max}$ (MeOH) (Berdy)

Other Data: Forms nonelastic gel in aq. suspensions

References:

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Sasaki, T. *et al.*, *Carbohydr. Res.*, 1976, **47**, 99, (*pharmacol*)
Bluhm, T.L. *et al.*, *ACS Symp. Ser.*, 1977, **48**, 105, (*cryst struct*)
Saito, H. *et al.*, *Carbohydr. Res.*, 1979, **74**, 227-240, (*cmr, struct*)
Saito, H. *et al.*, *Bull. Chem. Soc. Jpn.*, 1986, **59**, 2093, (*conform, cmr*)
Tsukagoshi, S., *Drugs of Today (Barcelona)*, 1988, **24**, 91, (*rev*)
Suzuki, M. *et al.*, *Int. J. Immunopharmacol.*, 1994, **16**, 463, (*rev*)
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