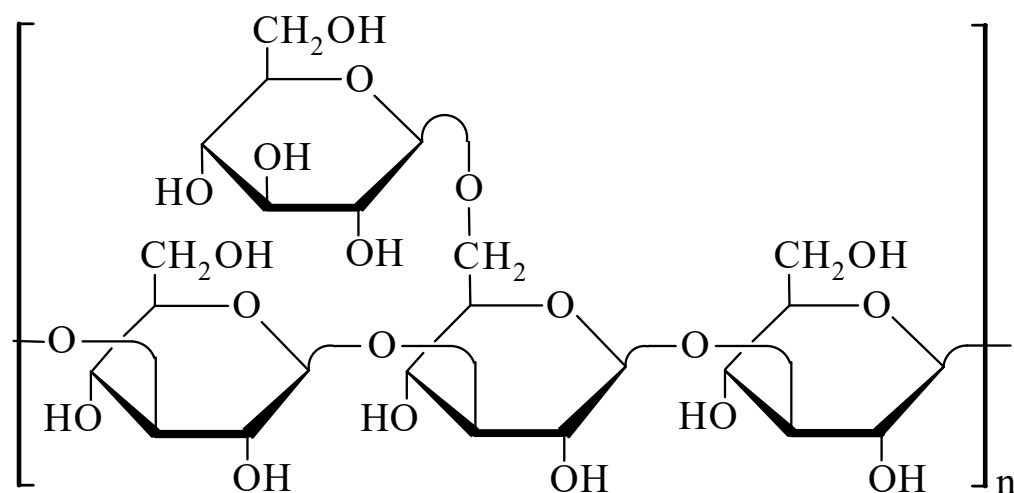




>>Entry Name: Schizophyllan

ENTRY UNDER REVIEW

Synonym(s): Sizofiran, 9CI, INN, JAN. Sonfilan. SPG



CAS Registry Number: 9050-67-3

Molecular Formula: $C_{24}H_{40}O_{20}$

Molecular Weight: 648.568

Accurate Mass: 648.2113

Percentage Composition: C 44.45%; H 6.22%; O 49.34%

Biological Source: Isol. from *Schizophyllum commune*

Use/Importance: Antineoplastic agent showing activity against sarcoma-180 ascites. Also augments antineoplastic props. of Interleukin 2 [BSQ29-V](#) in mice. Immunostimulant

Development Status: Launched 1985

Solubility: BERDY SOL: Sol. H_2O ; poorly sol. MeOH, hexane, EtOH

Other Data: Possesses triple-helical struct.

>>Derivative: Stereoisomer

Synonym(s): Scleroglucan. Sclerosan

CAS Registry Number: 39464-87-4

Molecular Formula: $C_{24}H_{40}O_{20}$

Molecular Weight: 648.568

Accurate Mass: 648.2113

Percentage Composition: C 44.45%; H 6.22%; O 49.34%

Biological Source: Isol. from *Sclerotium glaucum*

Use/Importance: Shows antineoplastic activity. Used for coating paper, and in food industry as a noncaloric, stable gelling agent

Optical Rotation: $[\alpha]_D -1$ (NaOH aq.)

Solubility: BERDY SOL: Sol. H_2O , MeOH; poorly sol. EtOH, Me_2CO , hexane

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