

Native bovine liver Glycogen

Cat. No. Glycogen-016B **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Glycogen from bovine liver. EC Number: 232-683-8
Species	Bovine
Source	Liver
Description	Glycogen is a branched polymer of glucose synthesized by animal cells for energy storage and release. It is constructed of predominantly $\alpha 1 \rightarrow 4$ glycosidic bonds with branches created through $\alpha 1 \rightarrow 6$ glycosidic bonds.
CAS No.	9005-79-2
Molecular Formula	(C ₆ H ₁₀ O ₅) _n
InChI	1S/C24H42O21/c25-1-5-9(28)11(30)16(35)22(41-5)39-4-8-20(45-23-17(36)12(31)10(29)6(2-26)42-23)14(33)18(37)24(43-8)44-19-7(3-27)40-21(38)15(34)13(19)32/h5-38H,1-4H2/t5-,6-,7-,8-,9-,10-,11+,12+,13-,14-,15-,16-,17-,18-,19-,20-,21+,22+,23-,24-/m1/s1
InChI key	BYSGBSNPRWKUQH-UJDJLXLFSA-N
Form	Powder, white to off-white
Purity	≥85% dry basis (enzymatic)

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Applications	Glycogen from bovine liver may be used in carbohydrate storage and metabolism research and to study various enzymes such as alpha-glucosidase(s) (GAA) and glycogen phosphorylase(s) (GPase). Glycogen may be used as a substrate to identify and characterize its metabolizing enzymes.
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Storage	2-8 centigrade
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GENE INFORMATION

Official Symbol	Glycogen
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Synonyms	Glycogen
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