

Native Bovine Insulin Protein

Cat. No. Insulin-04B **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Bovine insulin (insulin from the bovine pancreas), with a molecular weight of about 5800 Da, is a double-chain(α, β)peptide hormone produced in the βcells of the pancreas. Insulin is a protein hormone known to lower blood sugar, is responsible for regulating the intake of glucose, amino acids, and fatty acids by cells, and is often used as a growth supplement for cultured cells. Cas No.: 11070-73-8 Formula: C₂₅₄H₃₇₇N₆₅O₇₅S₆
Species	Bovine
Source	Pancreas
Description	Insulin is a medication used in the treatment and management of diabetes mellitus type-1 and sometimes diabetes mellitus type-2, both of which are significant risk factors for coronary artery disease, stroke, peripheral vascular disease, and a host of other vascular conditions.
Molecular Mass	5.8 kDa (Approximately)
Solubility	≥ 10.26 mg/mL in DMSO with ultrasonic; insoluble in EtOH; insoluble in H ₂ O
Purity	0.9986
Notes	We do not recommend long-term storage for the solution, please use it up soon.

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Shipping

Small Molecules with Blue Ice, Modified Nucleotides with Dry Ice.

GENE INFORMATION**Official Symbol**

Insulin

Synonyms

Insulin from bovine pancreas; Insulin

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