

## Insulin (swine)

<b>Cat. No.:</b>	HY-P3479
<b>CAS No.:</b>	12584-58-6
<b>Molecular Formula:</b>	C <sub>256</sub> H <sub>381</sub> N <sub>65</sub> O <sub>76</sub> S <sub>6</sub>
<b>Molecular Weight:</b>	5777.54
<b>Sequence:</b>	Chain 1:Phe-Val-Asn-Gln-His-Leu-Cys-Gly-Ser-His-Leu-Val-Glu-Ala-Leu-Tyr-Leu-Val-Cys-Gly-Glu-Arg-Gly-Phe-Phe-Tyr-Thr-Pro-Lys-Ala Chain 2:Gly-Ile-Val-Glu-Gln-Cys-Cys-Thr-Ser-Ile-Cys-Ser-Leu-Tyr-Gln-Leu-Glu-Asn-Tyr-Cys-Asn (Disulfide bridge:1'Cys7-2'Cys7,1'Cys19-2'Cys20,1'Cys6-2'Cys11)
<b>Sequence Shortening:</b>	Chain 1:FVNQHLCGSHLVEALYLVCGERGFFYPKA Chain 2:GIVEQCCTSICSLYQLENYCN (Disulfide bridge:1'Cys7-2'Cys7,1'Cys19-2'Cys20,1'Cys6-2'Cys11)
<b>Target:</b>	Insulin Receptor
<b>Pathway:</b>	Protein Tyrosine Kinase/RTK
<b>Storage:</b>	Sealed storage, away from moisture Powder    -80°C    2 years -20°C    1 year * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

## BIOLOGICAL ACTIVITY

### Description

Insulin (swine) is a porcine-derived insulin used in diabetes research<sup>[1]</sup>.

## REFERENCES

[1]. Z J Zhang, et al. Suppression of diabetes in nonobese diabetic mice by oral administration of porcine insulin. Proc Natl Acad Sci U S A. 1991 Nov 15;88(22):10252-6.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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