

## Insulin glargine

Cat. No.:	HY-108719
CAS No.:	160337-95-1
Molecular Formula:	$C_{267}H_{404}N_{72}O_{78}S_6$
Molecular Weight:	6063
Sequence:	A-chain: Gly-Ile-Val-Glu-Gln-Cys-Cys-Thr-Ser-Ile-Cys-Ser-Leu-Tyr-Gln-Leu-Glu-Asn-Tyr-Cys-Gly; B-chain: 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-Thr-Arg-Arg (Disulfide bridge: CysA6-CysA11, CysA7-CysB7, CysA20-CysB19)
Sequence Shortening:	A-chain: GIVEQCCTSICSLYQLENYCG; B-chain: FVNQHLCGSHLVEALYLVCGERGFFYTPKTRR (Disulfide bridge: CysA6-CysA11, CysA7-CysB7, CysA20-CysB19)
Target:	Insulin Receptor
Pathway:	Protein Tyrosine Kinase/RTK
Storage:	Store at 4°C, do not freeze

### BIOLOGICAL ACTIVITY

#### Description

Insulin glargine is a long-acting insulin analog. Insulin glargine can be used for the diabetes mellitus<sup>[1]</sup>.

### REFERENCES

[1]. Hwang HG, et al. Recombinant Glargine Insulin Production Process Using Escherichia coli. J Microbiol Biotechnol. 2016;26(10):1781-1789.

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

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