

## GIP (1-39)

Cat. No.:	HY-103545
CAS No.:	725474-97-5
Molecular Formula:	C <sub>210</sub> H <sub>316</sub> N <sub>56</sub> O <sub>61</sub> S
Molecular Weight:	4633.21
Sequence:	Tyr-Ala-Glu-Gly-Thr-Phe-Ile-Ser-Asp-Tyr-Ser-Ile-Ala-Met-Asp-Lys-Ile-Arg-Gln-Gln-Asp-Phe-Val-Asn-Trp-Leu-Leu-Ala-Gln-Lys-Gly-Lys-Lys-Ser-Asp-Trp-Lys-His-Asn
Sequence Shortening:	YAEGTFISDYSIAMDKIRQQDFVNWLLAQKGKKS DWKHN
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

#### Description

GIP (1-39) (Gastric inhibitory peptide (1-39) (porcine)) is an insulinotropic peptide that stimulates insulin secretion from rat pancreatic islets. GIP (1-39) at 100 nM was able to significantly increase intracellular Ca<sup>2+</sup> concentration ([Ca<sup>2+</sup>]<sub>i</sub>), and capable of enhancing exocytosis<sup>[1]</sup>.

### REFERENCES

[1]. Xie L, et al. GIP1-39, a novel insulinotropic peptide form and aspects on its mechanism of action. Regul Pept. 2004 Sep 15;121(1-3):107-12.

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

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