# GIP (1-30)-Myr

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| **Cat. No.:** | HY-P2080C |
| **Molecular Formula:** | $C_{176}H_{265}N_{39}O_{49}S$ |
| **Molecular Weight:** | 3743.28 |
| **Sequence:** | Tyr-Ala-Glu-Gly-Thr-Phe-Ile-Ser-Asp-Tyr-Ser-Ile-Ala-Met-Asp-Lys-Ile-His-Gln-Gln-Asp-Phe-Val-Asn-Trp-Leu-Leu-Ala-Gln-Lys-{Myr} |
| **Sequence Shortening:** | YAEGTFISDYSIAMDKIHQQDFVNWLLAQK-{Myr} |
| **Target:** | Insulin Receptor |
| **Pathway:** | Protein Tyrosine Kinase/RTK |
| **Storage:** | Please store the product under the recommended conditions in the Certificate of Analysis. |

## BIOLOGICAL ACTIVITY

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| **Description** | GIP (1-30)-Myr is the Myr-modified GIP (1-30), which is a glucose-dependent insulinotropic polypeptide (GIP) fragment. GIP is an incretin hormone that stimulates insulin secretion and reduces postprandial glycaemic excursions. GIP (1-30) dose-dependently promotes insulin secretion over the range $10^{-9}$-$10^{-6}$ M[1]. |

## REFERENCES

[1]. Alaña I, et al. NMR structure of the glucose-dependent insulinotropic polypeptide fragment, GIP(1-30)amide. Biochem Biophys Res Commun. 2004 Dec 3;325(1):281-6.



Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA