Product Data Sheet

human GALP (3-32)

Cat. No.:	HY-P5894
Molecular Formula:	$C_{137}H_{213}N_{43}O_{38}S$
Molecular Weight:	3102.49
Sequence:	Ala-His-Arg-Gly-Arg-Gly-Gly-Trp-Thr-Leu-Asn-Ser-Ala-Gly-Tyr-Leu-Leu-Gly-Pro-Val-Leu -His-Leu-Pro-Gln-Met-Gly-Asp-Gln
Sequence Shortening:	AHRGRGGWTLNSAGYLLGPVLHLPQMGDQ
Target:	Neuropeptide Y Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	human GALP (3-32) (Galanin-like peptide (3-32)) is a potent galanin receptor agonist with high affinity for both GalR1 (IC_{50} =33 nM) and GalR2 (IC_{50}=15 nM) in a competitive binding study. human GALP (3-32) exhibits the high potency in altering the extracellular acidification rate of SH-SY5Y cells transfected with GalR2 (EC_{50}=360 nM)[1].
IC_{50} & Target	IC50: 15 nM (GalR2 in competitive binding study), 33 nM (GalR1 in competitive binding study)[1]

REFERENCES

[1]. Lang R, et al. Pharmacological and functional characterization of galanin-like peptide fragments as potent galanin receptor agonists. Neuropeptides. 2005 Jun;39(3):179-84.