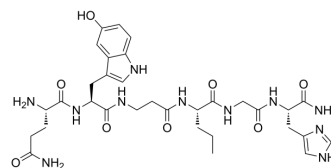


GB-6

Cat. No.:	HY-P5520
CAS No.:	2413262-74-3
Molecular Formula:	C ₃₂ H ₄₅ N ₁₁ O ₈
Molecular Weight:	711.77
Sequence:	Gln-{Htp}-{β-Ala}-{Nva}-Gly-His-NH ₂
Sequence Shortening:	Q-{Htp}-{β-Ala}-{Nva}-GH-NH ₂
Target:	Bombesin Receptor
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	GB-6 is a short linear peptide that targets the gastrin releasing peptide receptor (GRPR). GRPR is overexpressed in pancreatic cancer. Based on the tumor selectivity and tumor-specific accumulation properties of GB-6, GB-6 labeled with near infrared (NIR) fluorescent dyes or radionuclide netium-99m (99mTc) can be used as a high-contrast imaging probe. GB-6 has excellent in vivo stability, with tumor to pancreatic and intestinal fluorescence signal ratios of 5.2 and 6.3, respectively, in SW199 0 subcutaneous xenograft models. GB-6 can rapidly target tumors and accurately delineate tumor boundaries, which has broad application prospects ^[1] .
IC ₅₀ & Target	Gastrin releasing peptide receptor (GRPR) ^[1]

REFERENCES

[1]. Tu Y, et al. Novel GRPR-Targeting Peptide for Pancreatic Cancer Molecular Imaging in Orthotopic and Liver Metastasis Mouse Models. *Anal Chem.* 2023 Aug 1;95(30):11429-11439.

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

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