

GB-6

## Chemical Properties

CAS No. : 2413262-74-3

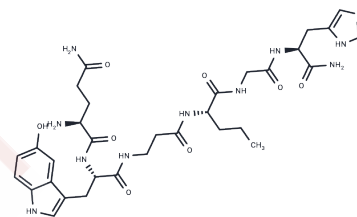
Formula: C32H45N11O8

Molecular Weight: 711.77

Keep away from direct sunlight

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	GB-6, a short linear peptide that selectively binds to the gastrin releasing peptide receptor (GRPR), shows potential as a high-contrast imaging probe due to its tumor selectivity and specific accumulation. Overexpression of GRPR in pancreatic cancer enables GB-6, when labeled with near-infrared (NIR) fluorescent dyes or the radionuclide technetium-99m (99mTc), to serve as an effective agent for tumor visualization. Demonstrating excellent in vivo stability, GB-6 yields tumor to pancreatic and intestinal fluorescence signal ratios of 5.2 and 6.3, respectively, in SW1990 subcutaneous xenograft models. Its rapid tumor targeting capability and precise tumor boundary delineation signify GB-6's extensive potential for clinical applications [1].
Targets(IC50)	Bombesin Receptor,GRPR

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4049 mL	7.0247 mL	14.0495 mL
5 mM	0.281 mL	1.4049 mL	2.8099 mL
10 mM	0.1405 mL	0.7025 mL	1.4049 mL
50 mM	0.0281 mL	0.1405 mL	0.281 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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