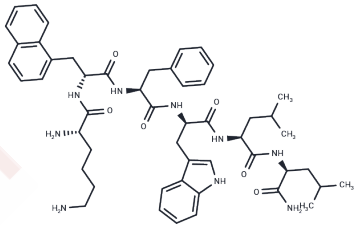
Data Sheet (Cat.No.TP1894)

TargetMol

K-(D-1-Nal)-FwLL-NH2

Chemical Properties



CAS No. : 1394288-22-2

Formula: C51H67N9O6

Molecular Weight: 902.13

Storage: Keep away from moisture
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	High affinity and potent ghrelin receptor inverse agonist (Ki values are 4.9 and 31 nM in COS7 and HEK293T cells, respectively). Blocks ghrelin receptor-mediated Gq- and G13-dependent signaling pathways.
Targets(IC50)	GHSR

Solubility Information

Solubility	H2O: 2 mg/mL (2.22 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1085 mL	5.5424 mL	11.0849 mL
5 mM	0.2217 mL	1.1085 mL	2.217 mL
10 mM	0.1108 mL	0.5542 mL	1.1085 mL
50 mM	0.0222 mL	0.1108 mL	0.2217 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.

Reference

Els et al (2012) An aromatic region to induce a switch between agonism and inverse agonism at the ghrelin receptor. J.Med.Chem. 55 7437 PMID:

M'Kadmi et al (2015) Agonism, antagonism, and inverse agonism bias at the ghrelin receptor signaling. J.Biol. Chem. 290 27021 PMID:

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481