

TAK-448

Chemical Properties

CAS No. : 1234319-68-6

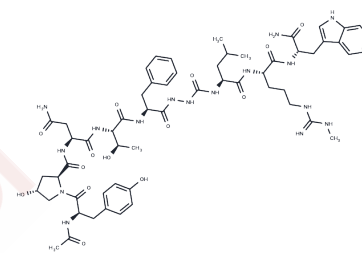
Formula: C58H80N16O14

Molecular Weight: 1225.36

Keep away from moisture

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	TAK-448 (MVT-602), a potent and full KISS1R agonist with an IC50 of 460 pM and an EC50 of 632 pM, has been studied in trials for the treatment of Prostate Cancer, Low Testosterone, Prostatic Neoplasms, and Hypogonadotropic Hypogonadism.
Targets(IC50)	Kisspeptin

Solubility Information

Solubility	H2O: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.8161 mL	4.0804 mL	8.1609 mL
5 mM	0.1632 mL	0.8161 mL	1.6322 mL
10 mM	0.0816 mL	0.408 mL	0.8161 mL
50 mM	0.0163 mL	0.0816 mL	0.1632 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

Nishizawa N, et al. Design and Synthesis of an Investigational Nonapeptide KISS1 Receptor (KISS1R) Agonist, Ac-d-Tyr-Hydroxyproline (Hyp)-Asn-Thr-Phe-azaGly-Leu-Arg(Me)-Trp-NH₂ (TAK-448), with Highly Potent Testosterone-Suppressive Activity and Excellent Water Solubility. J Med Chem. 2016 Oct 13;59(19):8804-8811.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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