Data Sheet (Cat.No.T19511)

TargetMol

PGlu-3-methyl-His-Pro-NH2 TFA

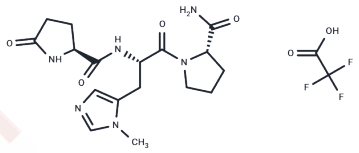
Chemical Properties

CAS No. :

Formula: C19H25F3N6O6

Molecular Weight: 490.43

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	PGlu-3-methyl-His-Pro-NH2 TFA enhances binding to pituitary TRH receptors, thereby increasing the stimulation of thyroid-stimulating hormone (TSH) release from the pituitary.
Targets(IC50)	Others,TSH Receptor
In vitro	PGlu-3-methyl-His-Pro-NH2 TFA demonstrates greater potency in inducing behavioral effects and in stimulating the release of growth hormone and thyroid-stimulating hormone [1].

Solubility Information

Solubility	H2O: 250 mg/mL (509.76 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.039 mL	10.1951 mL	20.3903 mL
5 mM	0.4078 mL	2.039 mL	4.0781 mL
10 mM	0.2039 mL	1.0195 mL	2.039 mL
50 mM	0.0408 mL	0.2039 mL	0.4078 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

Koskinen LO, et al. Cerebrovascular effects of the TRH analogues pGlu-3-methyl-His-Pro amide and pGlu-Glu-Pro amide: a comparison with TRH. Ups J Med Sci. 2000;105(1):73-83.
Magnusson BM, et al. Biological effects after percutaneous absorption of thyrotropin-releasing hormone and its analogue M-TRH. Peptides. 2001 Jan;22(1):73-9.

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