Data Sheet (Cat.No.T81680)

TargetMol

Neuropeptide W-23 (human) (TFA)

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

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	Neuropeptide W-23 (human) (NPW-23) TFA, representing the active form of Neuropeptide W, functions as an endogenous agonist for both NPBW1 (GPR7) and NPBW2 (GPR8) receptors [1].
Targets(IC50)	Neuropeptide W
In vitro	Neuropeptide W-23 (human) (NPW-23) enhances L-type calcium current (I Ca,L) in human embryonic kidney 293 cells and vascular smooth muscle cells (VSMCs) by activating G protein-coupled receptor 7 (GPR7) [1].
In vivo	Neuropeptide W-23 (human) (NPW-23), when administered intracerebroventricularly (i.c.v.) at doses of 0.3-3.0 nM in a volume of 2 μL, enhances total behavioral activities such as locomotion and grooming in conscious rats [2]. At higher concentrations of 2-8 nM in a volume of 10 μL, NPW-23 exhibits an anorexigenic effect, suppressing food intake in rats [3].

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