

## PEN (human) aceate

## Chemical Properties

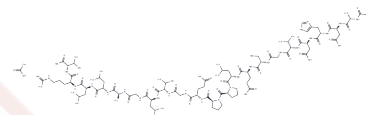
CAS No. :

Formula: C99H163N27O34

Molecular Weight: 2275.51

Storage: Store at low temperature,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	PEN (human) aceate, one of the most abundant hypothalamic neuropeptide and derived from the proprotein ProSAAS, is an endogenous ligand of GPR83.
Targets(IC50)	GPCR19
In vitro	Mouse PEN (mPEN) and rat PEN (rPEN) only differ by one residue at the N-terminal end, whereas human PEN (hPEN) is more divergent and has the sequence PEG instead of PEN [2]. PEN binds and activates a GPCR in the brain[2].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.4395 mL	2.1973 mL	4.3946 mL
5 mM	0.0879 mL	0.4395 mL	0.8789 mL
10 mM	0.0439 mL	0.2197 mL	0.4395 mL
50 mM	0.0088 mL	0.0439 mL	0.0879 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.

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