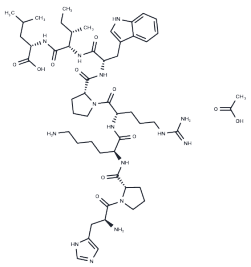
Data Sheet (Cat.No.TP2209L)

TargetMol

Xenin 8 acetate

Chemical Properties



CAS No. :

Formula: C53H83N15O11

Molecular Weight: 1106.32

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	Xenin 8 acetate is a biologically active fragment of Xenin in the neurotensin/xenopsin family. Xenin 8 acetate augments Arginine-induced insulin release (by 40%) and potentiates the glucagon responses to both Arginine (by 60%), Carbachol (by 50%).
Targets(IC50)	IGF-1R
In vitro	Xenin 8 acetate stimulates basal insulin secretion and potentiates the insulin response to glucose in a dose-dependent manner with an EC50 of 0.16 nM. Xenin 8 acetate counteracts the inhibition of glucagon release induced by increasing the glucose concentration[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9039 mL	4.5195 mL	9.039 mL
5 mM	0.1808 mL	0.9039 mL	1.8078 mL
10 mM	0.0904 mL	0.4519 mL	0.9039 mL
50 mM	0.0181 mL	0.0904 mL	0.1808 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

Ramona A Silvestre, et al. Stimulatory effect of xenin-8 on insulin and glucagon secretion in the perfused rat pancreas. Regul Pept. 2003 Aug 15;115(1):25-9.

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