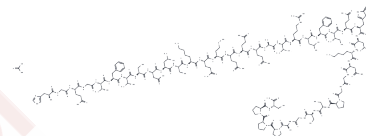


Exendin-4 acetate

Chemical Properties

CAS No. :	914454-01-6
Formula:	C186H286N50O62S
Molecular Weight:	4246.68
Storage:	Keep away from moisture, Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Exendin-4 acetate is a 39 amino acid peptide. Exendin-4 acetate is a long-acting GLP-1 receptor agonist (IC ₅₀ = 3.22 nM).
Targets (IC ₅₀)	Glucagon Receptor

Solubility Information

Solubility	DMSO: 81.67 mg/mL (19.23 mM), Sonication is recommended. H ₂ O: 2.5 mM, Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: 8.17 mg/mL (1.92 mM), Solution. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.2355 mL	1.1774 mL	2.3548 mL
5 mM	0.0471 mL	0.2355 mL	0.471 mL
10 mM	0.0235 mL	0.1177 mL	0.2355 mL
50 mM	0.0047 mL	0.0235 mL	0.0471 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

Ding X , Saxena N K , Lin S , et al. Exendin-4, a glucagon-like protein-1 (GLP-1) receptor agonist, reverses hepatic steatosis in ob/ob mice[J]. Hepatology, 2006, 43(1).

Yen-Yi Zhen , Chih-Chao Yang , Chi-Chih Hung , et al. Exendin-4 Protects Kidney From Acute Ischemia-Reperfusion Injury Through Upregulation of NRF2 Signaling. Am J Transl Res. 2017 Nov 15;9(11):4756-4771.

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