

Exenatide

Chemical Properties

CAS No. :	141732-76-5
Formula:	C186H286N50O62S
Molecular Weight:	4247
Storage:	Keep away from moisture 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	Exenatide (Exendin-4) is a glucagon-like protein-1 (GLP-1) receptor agonist.
Targets(IC50)	Glucagon Receptor
In vivo	Exendin-4 appears to effectively reverse hepatic steatosis in ob/ob mice by improving insulin sensitivity.

Solubility Information

Solubility	DMSO: 2.5 mM, Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.2355 mL	1.1773 mL	2.3546 mL
5 mM	0.0471 mL	0.2355 mL	0.4709 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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