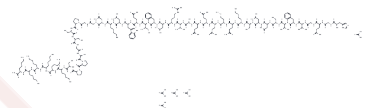


Lixisenatide acetate (320367-13-3 free base)

## Chemical Properties

CAS No. :	1997361-87-1
Formula:	C <sub>21</sub> H <sub>34</sub> N <sub>6</sub> O <sub>6</sub> S <sub>6</sub> .6C <sub>2</sub> H <sub>4</sub> O <sub>2</sub>
Molecular Weight:	5218.88
Storage:	Store at low temperature, 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	Lixisenatide acetate is a receptor agonist similar to glucagon-like peptide-1 (glp-1) for the treatment of type 2 diabetes mellitus (T2DM).
Targets(IC50)	Glucagon Receptor

## Solubility Information

Solubility	H <sub>2</sub> O: 75 mg/mL (14.37 mM) DMSO: 10 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	0.1916 mL	0.9581 mL	1.9161 mL
5 mM	0.0383 mL	0.1916 mL	0.3832 mL
10 mM	0.0192 mL	0.0958 mL	0.1916 mL
50 mM	0.0038 mL	0.0192 mL	0.0383 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

Ahrén B et al. Postprandial Glucagon Reductions Correlate to Reductions in Postprandial Glucose and Glycated Hemoglobin with Lixisenatide Treatment in Type 2 Diabetes Mellitus: A Post Hoc Analysis. Diabetes Ther. 2016 Jun 18.

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