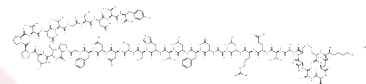


Pramlintide acetate(151126-32-8 free base)

Chemical Properties

CAS No. :	187887-46-3
Formula:	C173H271N51O55S2
Molecular Weight:	4009
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	Pramlintide acetate, a polypeptide analogue of human amylin, functions as an antidiabetic agent and exhibits antineoplastic activity in colorectal cancer.
Targets(IC50)	Others,Amylin Receptor
In vitro	Pramlintide inhibited the growth of HCT-116 and HT-29 in a dose-dependent manner, with higher efficacy against the latter (IC50s; 48.67 and 9.10 µg/mL, respectively;?p-value =0.013). Moreover, the addition of 5, 10, and 20 µg/mL of pramlintide to HCT-116 and HT-29 with 5-fluorouracil, oxaliplatin, or irinotecan induced the antiproliferative effect synergistically (R>1.6,?p-value <0.05).

Solubility Information

Solubility	H2O: 10.1 mg/mL (2.52 mM) DMSO: 10 mM (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.2494 mL	1.2472 mL	2.4944 mL
5 mM	0.0499 mL	0.2494 mL	0.4989 mL
10 mM	0.0249 mL	0.1247 mL	0.2494 mL
50 mM	0.005 mL	0.0249 mL	0.0499 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

Maha S Al-Keilani, et al. Pramlintide, an antidiabetic, is antineoplastic in colorectal cancer and synergizes with conventional chemotherapy. Clin Pharmacol. 2018 Mar 5;10:23-29.

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