

## Product Datasheet

### Semaglutide Acetate (orb1306843)

<b>Catalog Number</b>	orb1306843
<b>Category</b>	Small Molecules
<b>Description</b>	Semaglutide acetate is a potent, selective, and orally active GLP-1 receptor agonist with an EC50 of 6.2 pM. It is a long-acting compound used in research for type 2 diabetes, facilitating both in vitro receptor studies and in vivo investigations of glycemic control and weight management.
<b>Target</b>	Autophagy,Glucagon Receptor,p38 MAPK,Bcl-2 Family,IGF-1R,Apoptosis
<b>Purity</b>	99.45% (May vary between batches)
<b>MW</b>	4174.68
<b>Target Areas</b>	Glucagon Receptor Autophagy Apoptosis Bcl-2 Family p38 MAPK IGF-1R
<b>Solubility (25°C)</b>	DMSO:4.17 mg/mL (1 mM);H2O: 0.05 mg/mL (insoluble)
<b>CAS Number</b>	1997361-85-9
<b>Formula</b>	C <sub>189</sub> H <sub>295</sub> N <sub>45</sub> O <sub>61</sub>
<b>SMILES</b>	<chem>CCC(C)C(C(=O)NC(C)C(=O)NC(CC1=CNC2=CC=CC=C21)C(=O)NC(CC(C)C)C(=O)NC(C(C)C)C(=O)NC(CCCNC(=N)N)C(=O)NCC(=O)NC(CCCNC(=N)N)C(=O)NCC(=O)O)NC(=O)C(CC3=CC=CC=C3)NC(=O)C(CCC(=O)O)NC(=O)C(CCCCNC(=O)COC COCCNC(=O)COCCOCCNC(=O)CCC(C(=O)O)NC(=O)CCCCCCCCCCCCCCCCC(=O)O)NC(=O)C(C)NC(=O)C(C)NC(=O)C(CCC(=O)N)NC(=O)CNC(=O)C(CCC(=O)O)NC(=O)C(CC(C)C)NC(=O)C(CC4=CC=C(C=C4)O)NC(=O)C(CO)NC(=O)C(CO)NC(=O)C(C(C)C)NC(=O)C(CC(=O)O)NC(=O)C(CO)NC(=O)C(C(C)O)NC(=O)C(CC5=CC=CC=C5)NC(=O)C(C(C)O)NC(=O)CNC(=O)C(CCC(=O)O)NC(=O)C(C)(C)NC(=O)C(CC6=CNC=N6)N.CC(=O)O</chem>
<b>Storage</b>	keep away from moisture   Powder: -20°C for 3 years   In solvent: -80°C for 1 year   Shipping with blue ice/Shipping at ambient temperature.

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**Note** For research use only

**Expiration Date** 12 months from date of receipt.

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