Product Datasheet

Taspoglutide acetate (orb2695018)

Catalog Number	orb2695018
Category	Proteins
Description	Taspoglutide is a potent GLP-1 receptor agonist (Ki=1.1 nM) that stimulates cAMP production in vitro (EC50=0.06 nM). In vivo studies in diabetic rat models demonstrate its ability to improve glucose tolerance, increase insulin, and reduce GIP, triglycerides, and body weight following weekly administration.
Target	Glucagon Receptor
MW	3339.76(Free base)
CAS Number	1022150-16-8
Formula	$C_{152}H_{232}N_{40}O_{45}$ $xC_2H_4O_2$
SMILES	C(C)(O)=O.C([C@@H](C(N[C@H](C(N[C@H](C(N[C@H](C(NC(C(N[C@@H](CCCNC(=N)N)C(N)=O)=O)(C)C)=O)CCCCN)=O)[C@H](C)C)=O)CC(C)C)=O)NC([C@@H](NC([C@@H](NC([C@H](CC1=CC=CC=C1)NC([C@@H](NC([C@@H](NC([C@@H](NC([C@@H](NC([C@@H](NC(CNC([C@@H](NC([C@@H](NC([C@H](CC2=CC=C(O)C=C2)NC([C@@H](NC([C@@H](NC([C@@H](NC([C@@H](NC([C@@H](NC([C@@H](NC([C@H](CC3=CC=CC=C3)NC([C@@H](NC(CNC([C@@H](NC(C(NC([C@H](CC4=CN=CN4)N)=O)(C)C)=O)CCC(O)=O)=O)=O)[C@@H](C)O)=O)=O)[C@@H](C)O)=O)CO)=O)CC(O)=O)=O)C(C)C)=O)CO)=O)CO)=O)=O)CC(C)C)=O)CCC(O)=O)=O)=O)CCC(N)=O)=O)C)=O)C)=O)CCCCN)=O)CCC(O)=O)=O)=O)[C@H](CC)C)=O)C)=O)C=5C=6C(NC5)=CC=CC6
Storage	-20°C
Note	For research use only
Expiration Date	12 months from date of receipt.

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