

Product Data Sheet

Product Name: SAR441255 (sodium salt)

Cat. No.: GC92132

Chemical Properties

Cas. No.

O=C([C@@H](NC(CC[C@H])(NC(CCCCCCCCCCCCCCCC)=O)C(O)=O)=O)CCC(NCCC
C[C@@H](C(N[C@@H](CCC(O)=O)C(N[C@@H](CCC(O)=O)C(N[C@@H](CCC(N=
O)C(N[C@@H](CCCN(C)=N)C(N[C@@H](CCC(N)=O)C(NC(C(N[C@@H](CCC(O)=
O)C(N[C@@H](CC1=CC=CC=C1)C(N[C@@H]([C@@H](C)CC)C(N[C@@H](CCC(O)
=O)C(N[C@@H](CC2=CNC3=CC=CC=C32)C(N[C@@H](CC(C)C)C(N[C@@H]
(CCCN)C(N[C@@H](C)C(N[C@@H](C)C(NCC(N4[C@H](C(N5CCC[C@H]5C(N[C@H]
(C(NC(C(N[C@@H](CCCN)C(N6[C@H](C(N7[C@H](C(N8[C@H](C(N[C@@H](CCC
CN)C(N)=O)=O)CCC8)=O)CCC7)=O)CCC6)=O)=O)(C)C)=O)CO)=O)=O)CCC4)=O)=O
)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)(C)C)=O)=O)=O)=O)=O)=O)NC([C@H](CC(C)C)NC
([C@H](CCCCN)NC([C@H](CO)NC([C@H](CC(C)C)NC([C@H](CC(O)=O)NC([C@H](
CO)NC([C@H]([C@H](O)C)NC([C@H](CC9=CC=CC=C9)NC([C@H]([C@H](O)C)NC(
CNC([C@H](CC%10=CNC=N%10)NC(C(NC([C@H](CC%11=CNC=N%11)N)=O)(C)C)
=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O)=O).[Na]

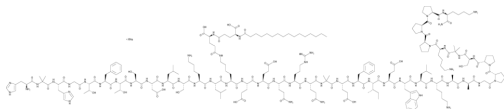
Formula	C ₂₂₅ H ₃₅₅ N ₅₇ O ₆₃ ? XNa	M.Wt	4866.6
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Solubility	Acetonitrile: Slightly Soluble: 0.1-1 mg/ml, Water: Slightly Soluble: 0.1-1 mg/ml	Storage	-20°C
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General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.
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Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.
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Structure



Background

SAR441255 is a peptide triple agonist of the glucagon-like peptide 1 receptor (GLP-1R), glucose-

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dependent insulinotropic polypeptide receptor (GIPR), and glucagon receptor (GCGR).¹ It induces cAMP accumulation in HEK293 cells expressing human GLP-1R, GIPR, or GCGR (EC₅₀s = 1.03, 0.73, and 1.01 pM, respectively). SAR441255 (1-30 ?g/kg) reduces body weight in a mouse model of high-fat diet-induced obesity. It also reduces body weight and blood hemoglobin A1c (HbA1c) levels in high-fat diet-induced obese diabetic cynomolgus monkeys when administered at a dose of 11 ?g/kg.

References:

[1]. Bossart, M., Wagner, M., Elvert, R., et al. Effects on weight loss and glycemic control with SAR441255, a potent unimolecular peptide GLP-1/GIP/GCG receptor triagonist. *Cell Metab.* 34(1):59-74(2022).

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