

## SAR441255 TFA

<b>Cat. No.:</b>	HY-P10031A	
<b>Molecular Formula:</b>	$C_{225}H_{355}N_{57}O_{63} \cdot xC_2HF_3O_2$	
<b>Sequence Shortening:</b>	H-{Aib}-HGTFTSDLSKL-{Lys( $\gamma$ Glu- $\gamma$ Glu-Palm acid)}-EEQRQ-{Aib}-EFIEWLKA-{d-Ala}-GP PS-{Aib}-KPPPK-NH <sub>2</sub>	His-{Aib}-His-Gly-Thr-Phe-Thr-Ser-Asp- Leu-Ser-Lys-Leu-{Lys( $\gamma$ Glu- $\gamma$ Glu-Palm acid)}-Glu-Glu-Gln-Arg-Gln-{Aib}-Glu- Phe-Ile-Glu-Trp-Leu-Lys-Ala-{d-Ala}-Gly- Pro-Pro-Ser-{Aib}-Lys-Pro-Pro-Pro-Lys- NH <sub>2</sub> (TFA)
<b>Target:</b>	GLP Receptor	
<b>Pathway:</b>	GPCR/G Protein	
<b>Storage:</b>	Sealed storage, away from moisture and light Powder    -80°C    2 years -20°C    1 year	
	* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)	

### SOLVENT & SOLUBILITY

<b>In Vitro</b>	H <sub>2</sub> O : 50 mg/mL (Need ultrasonic)
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### BIOLOGICAL ACTIVITY

<b>Description</b>	SAR441255 TFA is a potent unimolecular peptide GLP-1/GIP/GCG receptor triagonist. SAR441255 TFA displays high potency with balanced activation of all three target receptors. SAR441255 TFA shows positive acute glucoregulatory effects in diabetic obese monkeys <sup>[1]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	IC <sub>50</sub> : GLP-1/GIP/GCG receptor <sup>[1]</sup>

### REFERENCES

[1]. Martin Bossart, et al. Effects on weight loss and glycemic control with SAR441255, a potent unimolecular peptide GLP-1/GIP/GCG receptor triagonist. Cell Metab. 2022 Jan 4;34(1):59-74.e10.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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