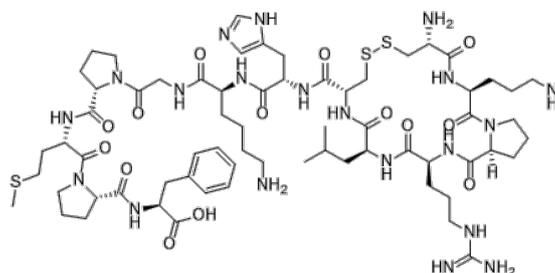


Product Name : Apelin receptor agonist MM07
Cat. No. : PC-26100
CAS No. : 1876450-21-3
Molecular Formula : C₆₇H₁₀₆N₂₂O₁₄S₃
Molecular Weight : 1539.91
Target : Apelin Receptor (APLNR)
Solubility : 10 mM in DMSO



Biological Activity

Apelin receptor agonist MM07 is a potent G-protein-biased peptide agonist of apelin receptor (APLNR, APJ) with KD of 300 nM in CHO-K1 cells and 172 nM in human heart.

MM07 (10-100 nM) caused a dose-dependent increase in cardiac output in rats.

MM07 preferentially stimulate the G-protein pathway, which could translate to improved efficacy in the clinic by selectively stimulating vasodilatation and inotropic actions but avoiding activating detrimental β -arrestin-dependent pathways.

References

Brame AL, et al. Hypertension. 2015 Apr;65(4):834-40.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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