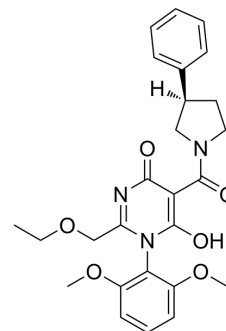


APJ receptor agonist 5

Cat. No.:	HY-145285
CAS No.:	2135514-20-2
Molecular Formula:	C ₂₆ H ₂₉ N ₃ O ₆
Molecular Weight:	479.52
Target:	Apelin Receptor (APJ)
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

APJ receptor agonist 5 (compound 3) is a potent and orally active agonist of apelin receptor (APJ) with an EC₅₀ of 0.4 nM. APJ receptor agonist 5 displays excellent pharmacokinetic profiles in the rodent heart failure (HF) model. APJ receptor agonist 5 also shows an acceptable safety profile in preclinical toxicology studies. APJ receptor agonist 5 leads to improved cardiac function and can be used for researching the HF disease^[1].

REFERENCES

[1]. Meng W, et al. Identification of a Hydroxypyrimidinone Compound (21) as a Potent APJ Receptor Agonist for the Potential Treatment of Heart Failure. *J Med Chem.* 2021;64(24):18102-18113.

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

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