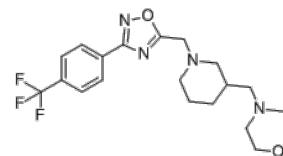


Product Name : V-0219
Cat. No. : PC-72853
CAS No. : 878453-71-5
Molecular Formula : C₂₀H₂₅F₃N₄O₂
Molecular Weight : 410.441
Target : Glucagon Receptor
Solubility : 10 mM in DMSO



Biological Activity

V-0219 is a small molecule positive allosteric modulator (PAM) of **GLP-1R** with E_{max} of 60% in the cAMP assay. V-0219 potentiated insulin secretion in INS-1 β-cells with EC₅₀ of 0.25 nM, the best response was observed at 0.1 nM, when a fixed concentration of 0.2 nM of GLP-1 was added to the dose-response curve of 9, the maximal response observed reached a plateau at 0.1 nM, with an EC₅₀ value of 0.008 nM. V-0219 shows a remarkable in vivo activity, reducing food intake and improving glucose handling in normal and diabetic rodents.

References

Juan M. Decara, et al. Journal of Medicinal Chemistry. DOI: 10.1021/acs.jmedchem.1c01842

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

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