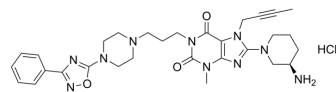


DPP-4/GPR119 modulator 1

Cat. No.:	HY-146468
CAS No.:	2411099-68-6
Molecular Formula:	C ₃₀ H ₃₉ ClN ₁₀ O ₃
Molecular Weight:	623.15
Target:	Dipeptidyl Peptidase; GPR119; Potassium Channel
Pathway:	Metabolic Enzyme/Protease; GPCR/G Protein; Neuronal Signaling; Membrane Transporter/Ion Channel
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	DPP-4/GPR119 modulator 1 (Compound 22) is an orally active dipeptidyl peptidase IV (DPP-IV) inhibitor and GPR119 agonist. DPP-4/GPR119 modulator 1 shows blood glucose-lowering effect and moderate inhibition on hERG channel with an IC ₅₀ of 4.9 μM. DPP-4/GPR119 modulator 1 can be used for diabetes research ^{[1][1]} . DPP-4/GPR119 modulator 1 is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAC) with molecules containing Azide groups.
IC₅₀ & Target	DPP-4

REFERENCES

[1]. Li G, et al. The optimization of xanthine derivatives leading to HBK001 hydrochloride as a potent dual ligand targeting DPP-IV and GPR119. *Eur J Med Chem.* 2020 Feb 15;188:112017.

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

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