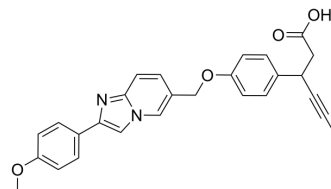


GPR40 agonist 5

Cat. No.:	HY-147678
CAS No.:	2443384-60-7
Molecular Formula:	C ₂₇ H ₂₄ N ₂ O ₄
Molecular Weight:	440.49
Target:	Free Fatty Acid Receptor
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	GPR40 agonist 5 (compound I-14) is an orally active and potent GPR40 (G protein coupled receptor 40) agonist, with an EC ₅₀ of 47 nM. GPR40 agonist 5 decreases the levels of blood glucose and improves the glucose tolerance. GPR40 agonist 5 has sufficient effectiveness for the control of hyperglycemia state in type 2 diabetic mice ^[1] . GPR40 agonist 5 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	EC ₅₀ : 47 ± 9.8 nM (GPR40) ^[1]

REFERENCES

[1]. Ye Z, et al. Discovery of novel potent GPR40 agonists containing imidazo[1,2-a]pyridine core as antidiabetic agents. *Bioorg Med Chem.* 2020 Jul 1;28(13):115574.

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

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