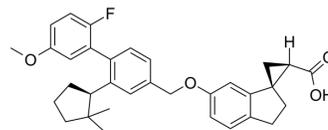


AM-5262

Cat. No.:	HY-16619
CAS No.:	1222088-90-5
Molecular Formula:	C ₃₃ H ₃₅ FO ₄
Molecular Weight:	514.63
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	AM-5262 is a GPR40 full agonist with an EC ₅₀ value of 0.081 μM. AM-5262 can be used for the research of type II diabetes ^[1] .
IC ₅₀ & Target	EC ₅₀ : 0.081 μM (GPR40) ^[1]
In Vitro	AM-5262 has activity for GPR40 with an EC ₅₀ value of 0.081 μM ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
In Vivo	AM-5262 (26) (i.v., 0.5 mg/kg; oral, 2 mg/kg) improves rat PK profile and general selectivity profile ^[1] . AM-5262 (0-100 μM) enhances glucose stimulated insulin secretion (mouse and human islets) and improves glucose homeostasis in vivo (OGTT in HF/STZ mice) ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Wang Y, et al. Discovery and Optimization of Potent GPR40 Full Agonists Containing Tricyclic Spirocycles. ACS Med Chem Lett. 2013;4(6):551-555. Published 2013 May 7.

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

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