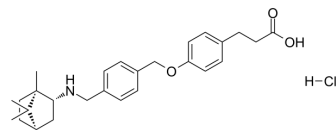


FFA1 agonist-1

Cat. No.:	HY-147987
CAS No.:	2417231-16-2
Molecular Formula:	C ₂₇ H ₃₆ ClNO ₃
Molecular Weight:	458.03
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	FFA1 agonist-1 (Compound 17a) is an orally active fatty acid receptor 1 (FFA1) agonist with an EC ₅₀ of 0.75 μM. FFA1 agonist-1 can be used for type 2 diabetes mellitus research ^[1] .
IC ₅₀ & Target	EC ₅₀ : 0.75 μM (FFA1) ^[1]
In Vivo	FFA1 agonist-1 (Compound 17a) (0-25 mg/kg; p.o.) reduces the plasma glucose levels in a dose-dependent manner in mice ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Kuranov SO, et al. Exploring bulky natural and natural-like periphery in the design of p-(benzyloxy)phenylpropionic acid agonists of free fatty acid receptor 1 (GPR40). *Bioorg Chem.* 2020 Jun;99:103830.

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

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