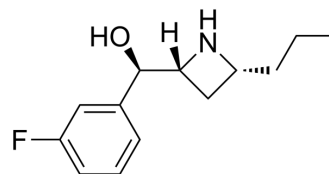


β₂AR agonist 2

Cat. No.:	HY-149727
Molecular Formula:	C ₁₃ H ₁₈ FNO
Molecular Weight:	223.29
Target:	Adrenergic Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

β₂AR agonist 2 (compound 8a) is a β₂-Adrenergic receptor (β₂AR) agonist. β₂AR agonist 2 is a saturated nitrogen ring compound containing 4- to 7-membered heterocycle. β₂AR agonist 2 has a chiral structure (the -R form) by carrying carbon containing the essential hydroxyl, thereby enhancing cellular glucose uptake (GU) activity and significantly stimulating glucose uptake by skeletal muscle cells. β₂AR agonist 2 can be used in the study of Type 2 Diabetes (T2D)^[1].

REFERENCES

[1]. Jaunsleine K, et al. Development of novel β₂-adrenergic receptor agonists for the stimulation of glucose uptake - The importance of chirality and ring size of cyclic amines. *Bioorg Med Chem Lett*. 2023 Nov 13:129562.

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

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