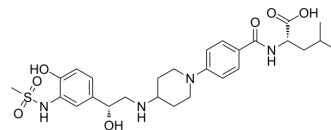


β₃-AR agonist 2

Cat. No.:	HY-U00391
CAS No.:	340757-05-3
Molecular Formula:	C ₂₇ H ₃₈ N ₄ O ₇ S
Molecular Weight:	562.68
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	β ₃ -AR agonist 2 is a potent and selective β ₃ -adrenergic receptor (β ₃ -AR) agonist with an EC ₅₀ of 8 nM.
IC₅₀ & Target	EC ₅₀ : 8 nM (β ₃ -adrenergic receptor) ^[1]
In Vitro	β ₃ -AR agonist 2 (Compound 26e) is found to be potent and selective at the β ₃ receptor, nearly completely abolishes intrinsic activity at either the β ₁ or β ₂ receptor ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
In Vivo	β ₃ -AR agonist 2 (Compound 26e) has significant thermogenesis effects on human β ₃ -adrenergic receptor transgenic mice. β ₃ -AR agonist 2 acts as a potential drug for the treatment of human obesity and type II diabetes ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Hu B, et al. (4-Piperidin-1-yl)phenyl amides: potent and selective human beta(3) agonists. J Med Chem. 2001 Apr 26;44(9):1456-66.

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

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