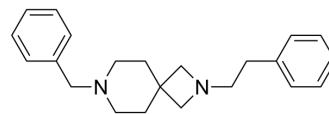


AD186

Cat. No.:	HY-149853
Molecular Formula:	C ₂₂ H ₂₈ N ₂
Molecular Weight:	320.47
Target:	Sigma Receptor
Pathway:	Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	AD186 is a potent and selective S1R agonist with K _i s of 2.7, 27 nM for S1R and S2R, respectively. AD186 fully reverses the antiallodynic effect of BD-1063 (HY-18101A) ^[1] .	
IC ₅₀ & Target	Sigma 1 Receptor 2.7 nM (K _i)	Sigma 2 Receptor 27 nM (K _i)
In Vivo	AD186 (compound 4b) (2.5-10 mg/kg; s.c.) fully reverses the antiallodynic effect of BD-1063 (HY-18101A) in capsaicin-induced mechanical hypersensitivity in mice ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	

REFERENCES

[1]. Dichiara M, et al. Synthesis, Computational Insights, and Evaluation of Novel Sigma Receptors Ligands. ACS Chem Neurosci. 2023 May 17;14(10):1845-1858.

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

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