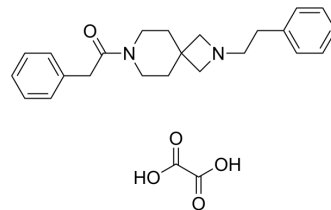


AB21 oxalate

Cat. No.:	HY-149854A
Molecular Formula:	C ₂₅ H ₃₀ N ₂ O ₅
Molecular Weight:	438.52
Target:	Sigma Receptor
Pathway:	Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	AB21 oxalate is a potent and selective S1R antagonist with K _i s of 13, 102 nM for S1R and S2R. AB21 oxalate has the effect of reducing mechanical hypersensitivity ^[1] .
In Vitro	AB21 oxalate shows K _i s of 12 nM and 14 nM with or without Phenytoin in the S1R Radioligand Binding Assay ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
In Vivo	AB21 oxalate (20 mg/kg, s.c., administered 30 min before the injection of Capsaicin (HY-10448)) reverses mechanical allodynia in Capsaicin (HY-B0448)-induced pain model, and exhibits higher potency than BD1063 dhydrochloride (HY-18101A) ^[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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