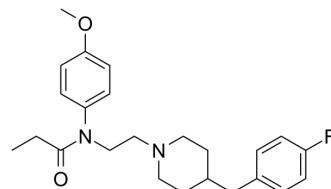


σ 1 Receptor/ μ Opioid receptor modulator 1

Cat. No.:	HY-147560
CAS No.:	2412700-00-4
Molecular Formula:	C ₂₄ H ₃₁ FN ₂ O ₂
Molecular Weight:	398.51
Target:	Sigma Receptor; Opioid Receptor
Pathway:	Neuronal Signaling; GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

σ 1 Receptor/ μ Opioid receptor modulator 1 (Compound 44) is a potent σ 1 receptor antagonist and μ opioid receptor agonist with K_is of 1.86 nM and 2.1 nM, respectively. σ 1 Receptor/ μ Opioid receptor modulator 1 exhibits potent analgesic activity. σ 1 Receptor/ μ Opioid receptor modulator 1 can be used for the research of neuropathic pain^[1].

REFERENCES

[1]. Jiaying Xiong, et al. Piperidine propionamide as a scaffold for potent sigma-1 receptor antagonists and mu opioid receptor agonists for treating neuropathic pain. Eur J Med Chem. 2020 Apr 1;191:112144.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA