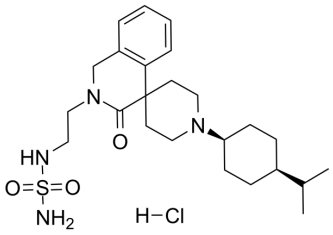
AT-121 hydrochloride

Cat. No.:	HY-112692A
CAS No.:	2099681-71-5
Molecular Formula:	$C_{24}H_{39}ClN_4O_3S$
Molecular Weight:	499.11
Target:	Opioid Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	AT-121 hydrochloride is a bifunctional nociception and mu opioid receptor agonist, with K_is of 3.67 and 16.49 nM, respectively. AT-121 hydrochloride is a safe, non-addictive analgesic, and shows antinociceptive and antiallodynic effects[1].
In Vivo	AT-121 hydrochloride (0.003-0.03 mg/kg; s.c.) produces potent antinociceptive effect[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

Animal Model:	Adult male and female rhesus monkeys[1]
Dosage:	0.003-0.03 mg/kg
Administration:	Subcutaneous
Result:	Produced antinociceptive effects against an acute noxious stimulus, 50 °C water, in a dose-dependent.

REFERENCES

[1]. Ding H, et al. A bifunctional nociceptin and mu opioid receptor agonist is analgesic without opioid side effects in nonhuman primates. Sci Transl Med. 2018;10(456):eaar3483.

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