SNC162

Cat. No.: HY-107741

CAS No.: 178803-51-5

Molecular Formula: $C_{27}H_{37}N_3O$

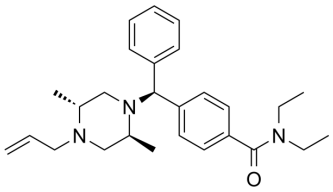
Molecular Weight: 419.6

Target: Opioid Receptor

Pathway: GPCR/G Protein; Neuronal Signaling

Storage:

Powder	-20°C	3 years
In solvent	-80°C	6 months
	-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 5 mg/mL (11.92 mM; ultrasonic and warming and heat to 60°C)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	2.3832 mL	11.9161 mL	23.8322 mL
	5 mM	0.4766 mL	2.3832 mL	4.7664 mL
	10 mM	0.2383 mL	1.1916 mL	2.3832 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

SNC162 is a delta-opioid receptor agonist with an IC_{50} of 0.94 nM. SNC162 has antidepressant-like effects and produces a selective enhancement of the antinociceptive effects of fentanyl in rhesus monkeys[1][2].

IC_{50} & Target

IC_{50}: 0.94 nM (delta-opioid receptor)[1]

REFERENCES

[1]. Jutkiewicz EM, et al. Delta-opioid agonists: differential efficacy and potency of SNC80, its 3-OH (SNC86) and 3-desoxy (SNC162) derivatives in Sprague-Dawley rats. J Pharmacol Exp Ther. 2004 Apr;309(1):173-81.

[2]. Banks ML, et al. Selective enhancement of fentanyl-induced antinociception by the delta agonist SNC162 but not by ketamine in rhesus monkeys: Further evidence supportive of delta agonists as candidate adjuncts to mu opioid analgesics. Pharmacol Biochem Be

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

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