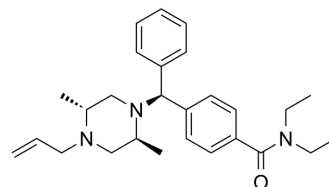


## SNC162

Cat. No.:	HY-107741
CAS No.:	178803-51-5
Molecular Formula:	C <sub>27</sub> H <sub>37</sub> N <sub>3</sub> O
Molecular Weight:	419.6
Target:	Opioid Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	<div>Powder -20°C 3 years</div> <div>In solvent -80°C 6 months</div> <div>-20°C 1 month</div>



### SOLVENT & SOLUBILITY

#### In Vitro

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

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	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<sub>50</sub> of 0.94 nM. SNC162 has antidepressant-like effects and produces a selective enhancement of the antinociceptive effects of fentanyl in rhesus monkeys<sup>[1][2]</sup>.

#### IC<sub>50</sub> & Target

IC<sub>50</sub>: 0.94 nM (delta-opioid receptor)<sup>[1]</sup>

### 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.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

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