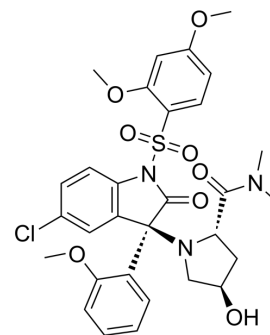


Nelivaptan

Cat. No.:	HY-10066
CAS No.:	439687-69-1
Molecular Formula:	C ₃₀ H ₃₂ ClN ₃ O ₈ S
Molecular Weight:	630.11
Target:	Vasopressin Receptor
Pathway:	GPCR/G Protein
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



BIOLOGICAL ACTIVITY

Description

Nelivaptan (SSR-149415) is a selective and orally active vasopressin V1b Receptor antagonist (K_i: 3.7 and 1.3 nM for native and recombinant rat V1b receptors, respectively). Nelivaptan inhibits arginine vasopressin (AVP)-induced Ca²⁺ increase and corticotropin secretion. Nelivaptan can be used for research of stress and anxiety^[1].

REFERENCES

[1]. Claudine Serradeil-Le Gal, et al. Characterization of (2S,4R)-1-[5-Chloro-1-[(2,4-dimethoxyphenyl)sulfonyl]-3-(2-methoxy-phenyl)-2-oxo-2,3-dihydro-1H-indol-3-yl]-4-hydroxy-N,N-dimethyl-2-pyrrolidine carboxamide (SSR149415), a Selective and Orally Active Vasopressin V1b Receptor Antagonist. *Journal of Pharmacology and Experimental Therapeutics* March 2002, 300 (3) 1122-1130.

[2]. Serradeil-Le Gal C, et al. An overview of SSR149415, a selective nonpeptide vasopressin V(1b) receptor antagonist for the treatment of stress-related disorders. *CNS Drug Rev.* 2005 Spring;11(1):53-68.

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

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