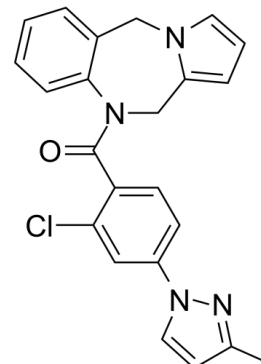


Data Sheet

Product Name:	WAY-151932
Cat. No.:	CS-6661
CAS No.:	220460-92-4
Molecular Formula:	C ₂₃ H ₁₉ ClN ₄ O
Molecular Weight:	402.88
Target:	Vasopressin Receptor
Pathway:	GPCR/G Protein
Solubility:	DMSO : 200 mg/mL (496.43 mM; Need ultrasonic)



BIOLOGICAL ACTIVITY:

WAY-151932 is a **vasopressin V₂-receptor** agonist with **IC₅₀** of 80.3 nM and 778 nM in human-V₂ binding and V_{1a} binding assay. IC₅₀ & Target: IC₅₀: 80.3 nM (human-V₂ binding), 778 nM (human-V_{1a} binding)^[1] **In Vitro:** WAY-151932 (VNA-932) stimulates cAMP formation in LV₂ cells expressing the hV₂ receptors in a dose-dependent manner with an EC₅₀ of 0.74±0.07 nM^[2]. **In Vivo:** Oral administration of WAY-151932 (VNA-932) to water-loaded conscious rats produces a dose-dependent decrease in urine volume (ED₅₀=0.14 mg/kg, 2.5% starch in water vehicle) and a corresponding increase in osmolality without altering the urine electrolyte excretion profile^[2].

References:

[1]. Molinari AJ, et al. Identification and synthesis of major metabolites of Vasopressin V₂-receptor agonist WAY-151932, and antagonist, Lixivaptan. Bioorg Med Chem Lett. 2007 Nov 1;17(21):5796-800.

[2]. Failli AA, et al. Pyridobenzodiazepines: a novel class of orally active, vasopressin V₂ receptor selective agonists. Bioorg Med Chem Lett. 2006 Feb 15;16(4):954-9.

CAIndexNames:

Methanone, [2-chloro-4-(3-methyl-1H-pyrazol-1-yl)phenyl]-5H-pyrrolo[2,1-c][1,4]benzodiazepin-10(11H)-yl-

SMILES:

O=C(C1=CC=C(N2N=C(C)C=C2)C=C1Cl)N3CC4=CC=CN4CC5=CC=CC=C53

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

Tel: 610-426-3128

Fax: 888-484-5008

E-mail: sales@ChemScene.com

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