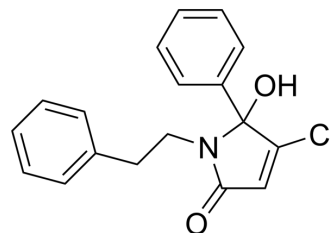


PNB-001

Cat. No.:	HY-148656
CAS No.:	1528760-09-9
Molecular Formula:	C ₁₈ H ₁₆ ClNO ₂
Molecular Weight:	313.78
Target:	Cholecystokinin Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	PNB-001 is an orally active CCK2 selective ligand and antagonist. PNB-001 has anti-inflammatory and analgesic activities ^[1] .
IC ₅₀ & Target	CCK2 ^[1]
In Vitro	PNB-001 (100 nM, 30 min) blocks the CCK4- and CCK5-induced contractions in rat duodenum ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
In Vivo	PNB-001 (5 and 20 mg /kg, p.o.) shows anti-inflammatory activity, and protects rats against Indomethacin (HY-14397) induced ulceration ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Lattmann E, et al. Cholecystokinin-2/gastrin antagonists: 5-hydroxy-5-aryl-pyrrol-2-ones as anti-inflammatory analgesics for the treatment of inflammatory bowel disease. *Medchemcomm.* 2017 Feb 17;8(3):680-685.

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

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