

PNB-001

Chemical Properties

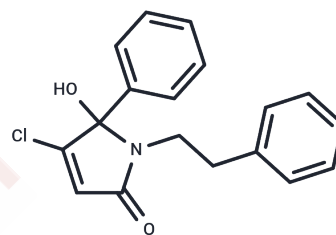
CAS No. : 1528760-09-9

Formula: C₁₈H₁₆ClNO₂

Molecular Weight: 313.78

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	PNB-001 is an orally active, CCK2-selective ligand and antagonist with anti-inflammatory and analgesic activities [1].
Targets(IC50)	Cholecystokinin Receptor
In vitro	PNB-001 (100 nM, 30 min) effectively inhibits the contraction of the duodenum in experimental rats induced by CCK4 and CCK5 [1].
In vivo	PNB-001, administered orally at doses of 5 and 20 mg/kg, exhibits anti-inflammatory activity and protects rats from ulcers induced by indomethacin [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1869 mL	15.9347 mL	31.8695 mL
5 mM	0.6374 mL	3.1869 mL	6.3739 mL
10 mM	0.3187 mL	1.5935 mL	3.1869 mL
50 mM	0.0637 mL	0.3187 mL	0.6374 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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