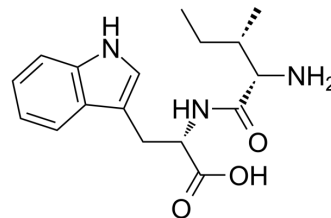


BNC210

Cat. No.:	HY-105858		
CAS No.:	13589-06-5		
Molecular Formula:	C ₁₇ H ₂₃ N ₃ O ₃		
Molecular Weight:	317.38		
Target:	nAChR		
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro	DMSO : 125 mg/mL (393.85 mM; Need ultrasonic)					
		Solvent Concentration	Mass	1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM		3.1508 mL	15.7540 mL	31.5080 mL
		5 mM		0.6302 mL	3.1508 mL	6.3016 mL
		10 mM		0.3151 mL	1.5754 mL	3.1508 mL
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.08 mg/mL (6.55 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (6.55 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (6.55 mM); Clear solution 					

BIOLOGICAL ACTIVITY

Description	BNC210 (H-Ile-Trp-OH) is an orally active α7 nAChR negative alteration modulator (NAM) with no apparent side effects. BNC210 exhibits acute anxiolytic activity in rodent models of anxiety. BNC210 can be used in studies of generalised anxiety disorders ^[1] .
IC₅₀ & Target	α7 nAChR ^[1] .

REFERENCES

[1]. Wise T, et al. Cholinergic modulation of disorder-relevant neural circuits in generalized anxiety disorder. *Biological psychiatry*, 2020, 87(10): 908-915.

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

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