

Catalog	Unit
TBI4496-10MG	10 mg
TBI4496-50MG	50 mg

Product Details

Formal Name: N-(3R)-1-Azabicyclo[2.2.2]oct-3-yl-4-chlorobenzamide

Molecular Formula: C₁₄H₁₇ClN₂O

Formula Weight: 264.75

CAS Number: 123464-89-1

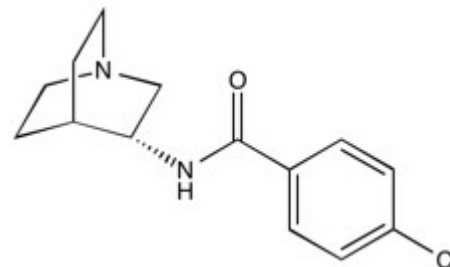
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 25 mg/ml).

Storage: -20°C

Stability: ≥ 1 year.



Applications

Nicotinic acetylcholine receptor agonist; cognition enhancer

Functions

PNU 282987 is a selective $\alpha 7$ nicotinic acetylcholine receptor (nAChR) agonist ($K_i = 26$ nM). The $\alpha 7$ nAChR is a potential therapeutic target of cognitive deficits in diseases such as Alzheimers, Parkinsons, schizophrenia, and attention deficit disorders – agonism of this receptor with PNU 282987 has shown potential to ameliorate these deficits.

Application Procedures

First dissolved in DMSO (up to 25 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 2 months.

For research use only.