
Catalog	Unit
TBI1470-5MG	5 mg
TBI1470-25MG	25 mg

Product Details

Formal Name: 3-Methyl-5-(1-methyl-2(S)-pyrrolidinyl)isoxazole hydrochloride

Molecular Formula: C₉H₁₄N₂O HCl

Formula Weight: 202.68

CAS Number: 147388-83-8

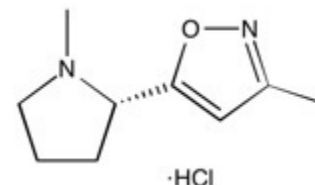
Purity: >98%

Formulation: powder

Solubility: Soluble in Water (up to 15 mg/ml)

Storage: -20°C

Stability: ≥ 1 year.



Applications

Nicotinic acetylcholine receptor agonist; Cognition enhancer

Functions

Agonist at neuronal nicotinic acetylcholine receptors displaying the highest potency at $\alpha 4\beta 2$ and $\alpha 2\beta 2$ subtypes (EC₅₀= approximately 6 and 11 μ M, respectively). Displays anxiolytic activity in a rat model and was 6-fold more potent than diazepam. Reduces distractibility in a primate model and may have relevance in attention deficit hyperactivity disorder. Improves cognition in Alzheimer's disease patients.

Application Procedures

First dissolved in Water (up to 15 mg/ml), then diluted to aqueous buffer. Solutions in distilled water may be stored at -20°C for up to 3 months.

For research use only.