

Xanomeline tartrate, Selective M1 Muscarinic agonist

Catalog	Unit
TBI5112-10MG	10 mg
TBI5112-50MG	50 mg

Product Details

Formal Name: 3-[4-(Hexyloxy)-1,2,5-thiadiazol-3-yl]-1,2,5,6-tetrahydro-1-methylpyridine, tartrate

Alternate Names: LY246708 tartrate

Molecular Formula: C₁₄H₂₃N₃OS

Formula Weight: 431.50

CAS Number: 152854-19-8

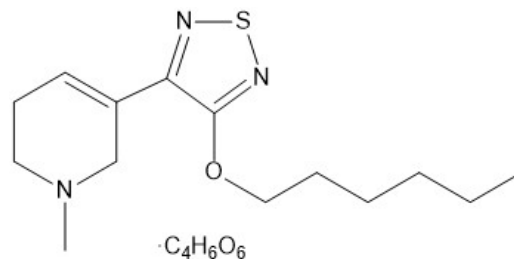
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (45 mg/ml); or Water (70 mg/ml)

Storage: -20°C

Stability: ≥ 2 years.



Applications

Selective M1 Muscarinic agonist

Functions

A functionally-selective M1 muscarinic receptor agonist, EC₅₀=0.3, 92.5, 5, 52 and 42 nM for M1, M2, M3, M4 and M5 respectively. Displays positive cognitive and behavioral effects in schizophrenia and Alzheimer's disease. Suppresses proinflammatory cytokine responses and improves survival in sepsis. Displays potent analgesic activity in rodent models of chronic inflammatory and neuropathic pain.

Application Procedures

First dissolved in DMSO (45 mg/ml); or Water (70 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or water may be stored at -20°C for up to 2 months.

For research use only.