

A-438079, P2X7 antagonist

Catalog	Unit
TBI4063-5MG	5 mg
TBI4063-25MG	25 mg

Product Details

Formal Name: 3-[5-(2,3-Dichlorophenyl)tetrazol-1-ylmethyl]pyridine hydrochloride

Molecular Formula: C₁₃H₉Cl₂N₅·HCl

Formula Weight: 342.61

CAS Number: 899431-18-6

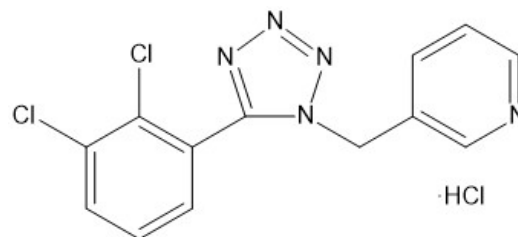
Purity: >98%

Formulation: powder

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

Storage: -20°C

Stability: ≥ 1 year.



Applications

P2X7 antagonist

Functions

Competitive P2X7 receptor antagonist (pIC₅₀ = 6.9). Displayed antinociceptive effects in a rat model of neuropathic pain. A-438079 prevented the LPS-induced release of IL-1 β and attenuated LPS-induced (via intrathecal lumbar injection) mechanical hyperalgesia in rat hindpaws. It prevented mechanical hyperalgesia following peripheral nerve injury. A-438079 protected against cerebral ischemia/reperfusion injury in a rat model via reduction of the neuroinflammatory response.

Application Procedures

First dissolved in DMSO (up to at least 25 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 1 month.

For research use only.