

TGN-020, Aquaporin 4 blocker

Catalog	Unit
TBI1546-10MG	10 mg
TBI1546-50MG	50 mg

Product Details

Formal Name: N-1,3,4-thiadiazol-2-yl-3-pyridinecarboxamide

Molecular Formula: C₈H₆N₄OS

Formula Weight: 206.22

CAS Number: 51987-99-6

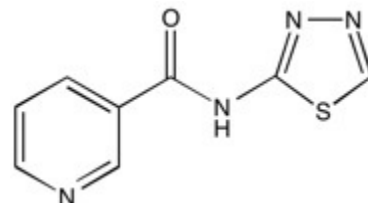
Purity: >98%

Formulation: Powder

Solubility: Soluble in DMSO (up to 10 mg/ml with warming)

Storage: Room temperature

Stability: ≥ 2 years.



Applications

Aquaporin 4 blocker

Functions

Aquaporin 4 channel blocker, IC₅₀ = 3.1 μM. Reduces ischemic cerebral edema in a mouse model of focal cerebral ischemia using MRI. Increases regional cerebral blood flow as determined in wild-type and AQP-4 knockout mice. Reduces brain edema when administered after onset of ischemia in rat models.

Application Procedures

First dissolved in DMSO (up to 10 mg/ml with warming), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 3 months.

For research use only.