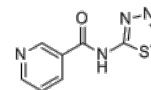


Product Name : TGN-020
Cat. No. : PC-20300
CAS No. : 51987-99-6
Molecular Formula : C₈H₆N₄OS
Molecular Weight : 206.22
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

TGN-020 (TGN020) is a potent, selective aquaporin 4 (**AQP4**) inhibitor with IC₅₀ of 3 μM.

TGN-020 significantly reduced the cortical infarct volume, with no effect on basal ganglia infarct volume.

Pretreatment with TGN-020 significantly reduced the severity of brain edema associated with brain ischemia.

TGN-020 significantly increases regional cerebral blood flow in vivo, TGN-020 can alleviate spinal cord edema, inhibit glial scar formation, and promote axonal regeneration, conferring beneficial effects on recovery in rats.

References

Igarashi H, et al. *Neurol Sci.* 2011 Feb;32(1):113-6.

Huber VJ, et al. *Bioorg Med Chem.* 2009;17:411-417.

Igarashi H, et al. *Neuroreport.* 2013 Apr 17;24(6):324-8.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

E-mail: tech@probechem.com