

Product Name : Zonampanel

Synonyms : YM 872

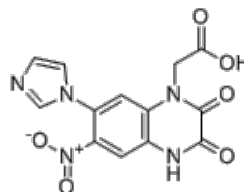
Cat No. : M13341

CAS Number : 210245-80-0

Molecular Formula : C₁₃H₉N₅O₆

Formula Weight : 331.24

Chemical Name : 7-(1H-imidazol-1-yl)-6-nitro-2,3-dioxo-3,4-dihydro-1(2H)-quinoxalineacetic acid



Description : Zonampanel (YM 872) is a selective, potent and highly water-soluble, competitive AMPA receptor (AMPA) antagonist with K_i of 96 nM; shows very low affinity for other ionotropic glutamate receptors; competitively antagonizes kainate-induced currents in *Xenopus laevis* oocytes with a pA₂ value of 6.97; exhibits great potential for treatment of neurodegenerative disorders such as stroke. Stroke Discontinued

Pathway : Membrane Transporter/Ion Channel

Target : iGluR

Receptor : iGluR

Solubility : —

SMILES : O=C(O)CN1C(C(NC2=C1C=C(N3C=CN=C3)C([N+])([O-])=O)=C2)=O

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Shimizu-Sasamata M, et al. Stroke. 1998 Oct;29(10):2141-8. | 2. Takahashi M, et al. J Pharmacol Exp Ther. 1998 Feb;284(2):467-73. | 3. Kohara A, et al. J Pharm Pharmacol. 1998 Jul;50(7):795-801.