Data Sheet (Cat.No.T29192)

YM-900

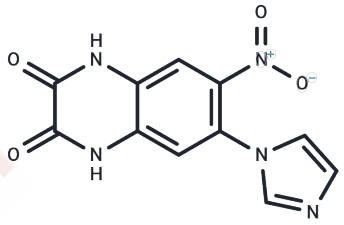
Chemical Properties

CAS No. : 143151-35-3

Formula: C11H7N5O4

Molecular Weight: 273.2

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.



Biological Description

Description	YM-900, an AMPA receptor antagonist and glutamate receptor antagonist, is used potentially for the treatment of stroke.
Targets(IC50)	Others,iGluR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.6603 mL	18.3016 mL	36.6032 mL
5 mM	0.7321 mL	3.6603 mL	7.3206 mL
10 mM	0.366 mL	1.8302 mL	3.6603 mL
50 mM	0.0732 mL	0.366 mL	0.7321 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Hashimoto T, Narikawa S, Huang XL, Minematsu T, Usui T, Kamimura H, Endou H. Characterization of the renal tubular transport of zonampanel, a novel alpha-amino-3-hydroxy-5-methylisoxazole-4-propionic acid receptor antagonist, by human organic anion transporters. Drug Metab Dispos. 2004 Oct;32(10):1096-102. PubMed PMID: 15377641.

Iwasaki K, Chung EH, Egashira N, Hatip-Al-Khatib I, Mishima K, Egawa T, Irie K, Fujiwara M. Non-NMDA mechanism in the inhibition of cellular apoptosis and memory impairment induced by repeated ischemia in rats. Brain Res. 2004 Jan 2;995(1):131-9. PubMed PMID: 14644478.

Katsuta K, Umemura K, Ueyama N, Matsuoka N. Pharmacological evidence for a correlation between hippocampal CA1 cell damage and hyperlocomotion following global cerebral ischemia in gerbils. Eur J Pharmacol. 2003 Apr 25;467(1-3):103-9. PubMed PMID: 12706462.

Nakano M, Ueda H, Li JY, Matsumoto M, Yanagihara T. A potent AMPA/kainate receptor antagonist, YM90K, attenuates the loss of N-acetylaspartate in the hippocampal CA1 area after transient unilateral forebrain ischemia in gerbils. Life Sci. 2001 Sep 14;69(17):1983-90. PubMed PMID: 11589513.