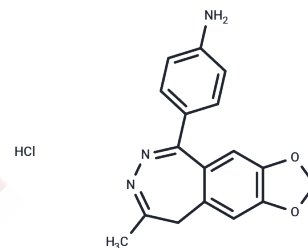


GYKI 52466 HCl

Chemical Properties

CAS No. : 192065-56-8
 Formula: C17H16ClN3O2
 Molecular Weight: 329.784
 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	GYKI 52466 is an allosteric AMPA receptor antagonist. It selectively inhibits AMPA-induced inward currents ($IC_{50} = 7.5 \mu M$) over NMDA- or GABA-induced inward currents in primary rat hippocampal neurons at $50 \mu M$ but also inhibits kainate-induced inward currents in the same cells ($IC_{50} = 11 \mu M$). ² GYKI 52466 ($10 \mu M$) reduces the amplitude of spontaneous excitatory postsynaptic currents (EPSCs) in the same cells. It increases the latency to seizure onset and reduces mortality in a rat model of generalized tonic-clonic seizures induced by 4-aminopyridine (4-AP) when administered at doses of 25 and 50 mg/kg. GYKI 52466 (30 mg/kg) prevents neuronal damage in the CA1 region of the hippocampus in a rat model of global ischemia-reperfusion injury induced by four-vessel occlusion.
Targets(IC_{50})	Others,iGluR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0323 mL	15.1616 mL	30.3232 mL
5 mM	0.6065 mL	3.0323 mL	6.0646 mL
10 mM	0.3032 mL	1.5162 mL	3.0323 mL
50 mM	0.0606 mL	0.3032 mL	0.6065 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481