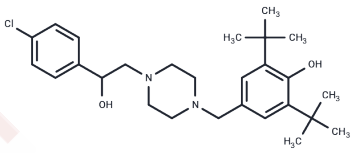
Data Sheet (Cat.No.T29939)

TargetMol

AM-36

Chemical Properties



CAS No. : 199467-52-2

Formula: C27H39ClN2O2

Molecular Weight: 459.06

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	AM-36 is a potent Na+ channel blocker and antioxidant.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1784 mL	10.8918 mL	21.7836 mL
5 mM	0.4357 mL	2.1784 mL	4.3567 mL
10 mM	0.2178 mL	1.0892 mL	2.1784 mL
50 mM	0.0436 mL	0.2178 mL	0.4357 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

Nicolazzo JA, Nguyen TT, Katneni K, Steuten JA, Smith G, Jarrott B, Callaway JK, Charman SA. Pharmacokinetics and brain uptake of AM-36, a novel neuroprotective agent, following intravenous administration to rats. J Pharm Pharmacol. 2008 Feb;60(2):171-8. doi: 10.1211/jpp.60.2.0005. PubMed PMID: 18237464.

Weston RM, Jarrott B, Ishizuka Y, Callaway JK. AM-36 modulates the neutrophil inflammatory response and reduces breakdown of the blood brain barrier after endothelin-1 induced focal brain ischaemia. Br J Pharmacol. 2006 Nov; 149(6):712-23. Epub 2006 Oct 3. PubMed PMID: 17016500; PubMed Central PMCID: PMC2014659.

Callaway JK, Castillo-Melendez M, Giardina SF, Krstew EK, Beart PM, Jarrott B. Sodium channel blocking activity of AM-36 and sipatrigine (BW619C89): in vitro and in vivo evidence. Neuropharmacology. 2004 Jul;47(1):146-55. PubMed PMID: 15165842.

Callaway JK, Lawrence AJ, Jarrott B. AM-36, a novel neuroprotective agent, profoundly reduces reactive oxygen species formation and dopamine release in the striatum of conscious rats after endothelin-1-induced middle cerebral artery occlusion. Neuropharmacology. 2003 May;44(6):787-800. PubMed PMID: 12681377.