
Product Data Sheet

Product Name: Cerestat
Cat. No.: GC50060

Chemical Properties

Cas. No. 137160-11-3

SMILES N=C(N(C)C3=CC=CC(CC)=C3)NC1=C2C(C=CC=C2)=CC=C1.Cl

Formula C20H21N3.HCl M.Wt 339.86

Solubility DMSO: 100 mM, Water: 50 mM Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure

Background

Potent and noncompetitive NMDA receptor antagonist (IC₅₀ = 36 nM). Exhibits >70-fold selectivity for NMDA receptor over σ receptor. Neuroprotective in a rat model of focal ischemia.

Reddy et al (1994) Synthesis and structure-activity studies of N,N'-diarylguanidine derivatives. N-(1-naphthyl)-N'-(3-ethylphenyl)-N'-methylguanidine: a new, selective noncompetitive NMDA receptor antagonist. J. Med. Chem. 37 260 PMID:8295213 | Schäbitz et al (2000) The N-MthD.-aspartate antagonist CNS 1102 protects cerebral gray and white matter from ischemic injury following temporary focal ischemia in rats. Stroke 31 1709 PMID:10884477

Caution: Product has not been fully validated for medical applications. For research use only.

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