Product Name: L-689,560  
Catalog No.: 0742  
Batch No.: 5

CAS Number: 139051-78-8

IUPAC Name: trans-2-Carboxy-5,7-dichloro-4-phenylaminocarbonylamino-1,2,3,4-tetrahydroquinoline

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \( \text{C}_{17}\text{H}_{15}\text{Cl}_{2}\text{N}_{3}\text{O}_{3} \)

Batch Molecular Weight: 380.23

Physical Appearance: White solid

Solubility: DMSO to 25 mM  
ethanol to 100 mM

Storage: Store at RT

Batch Molecular Structure:

![Molecular Structure Image](image)

2. ANALYTICAL DATA

TLC: \( R_f = 0.43 \) (Dichloromethane:Methanol [9:1])

Melting Point: Between 172 - 173°C

HPLC: Shows 99.5% purity

\(^1\text{H} \text{NMR}: \) Consistent with structure

Microanalysis: Carbon Hydrogen Nitrogen

<table>
<thead>
<tr>
<th>Theoretical</th>
<th>Found</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon</td>
<td>53.7</td>
</tr>
<tr>
<td>Hydrogen</td>
<td>3.98</td>
</tr>
<tr>
<td>Nitrogen</td>
<td>11.05</td>
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</tbody>
</table>

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use
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IUPAC Name: trans-2-Carboxy-5,7-dichloro-4-phenylaminocarbonylamino-1,2,3,4-tetrahydroquinoline

Description:
Very potent antagonist at the glycine-NMDA site. Also available as part of the NMDA Receptor - Glycine Site Tocriset™.

Physical and Chemical Properties:
Batch Molecular Formula: C_{17}H_{15}Cl_{2}N_{2}O_{3}
Batch Molecular Weight: 380.23
Physical Appearance: White solid
Minimum Purity: >99%

Storage: Store at RT
Solubility & Usage Info:
DMSO to 25 mM
ethanol to 100 mM

Stability and Solubility Advice:
Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:
SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.
SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

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References: