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:** C\textsubscript{17}H\textsubscript{15}Cl\textsubscript{2}N\textsubscript{3}O\textsubscript{3}
- **Batch Molecular Weight:** 380.23
- **Physical Appearance:** White solid
- **Solubility:** DMSO to 25 mM, ethanol to 100 mM
- **Storage:** Store at RT

2. ANALYTICAL DATA

- **TLC:** R\textsubscript{T} = 0.43 (Dichloromethane:Methanol [9:1])
- **Melting Point:** Between 172 - 173°C
- **HPLC:** Shows >99.5% purity
- **\textsuperscript{1}H NMR:** Consistent with structure
- **Microanalysis:**
  
<table>
<thead>
<tr>
<th></th>
<th>Carbon</th>
<th>Hydrogen</th>
<th>Nitrogen</th>
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<td>Theoretical</td>
<td>53.7</td>
<td>3.98</td>
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<tr>
<td>Found</td>
<td>53.64</td>
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</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_{16}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.

References: