

**Product Name:** Group I mGlu Receptor Tocriset™

**Catalog No.:** 1826

**Batch No.:** 5

### 1. Tocriset™ Description

A Tocriset™ consists of 3 to 5 key compounds that are active within a defined pharmacological area or a signaling pathway. Most compounds are supplied in a solid format in a specified molar amount so that solvent can be added *directly* to the vial. For example, addition of 500 µL of solvent to a vial containing 5 µmol of compound yields a 10 mM stock solution. Some compounds that are unsuitable for lyophilization are provided pre-dissolved in DMSO.

The Group I mGlu Receptor Tocriset™ contains the listed products as lyophilised solids which can be used to investigate the pharmacology of Group I mGlu receptors.

Cat.No.	Product / Activity	Batch	Amount	Format
0188	<b>L-Quisqualic acid</b> Potent group I mGlu agonist	31	5 µmol	Freeze-dried solid
0337	<b>(S)-MCPG</b> Non-selective group I/group II antagonist	17	5 µmol	Freeze-dried solid
0805	<b>(S)-3,5-DHPG</b> Specific group I mGlu agonist	32	5 µmol	Freeze-dried solid
1212	<b>MPEP hydrochloride</b> Selective mGlu <sub>5</sub> antagonist	10	5 µmol	Freeze-dried solid
1237	<b>LY 367385</b> Selective mGlu <sub>1a</sub> antagonist	9	5 µmol	Freeze-dried solid

### 2. Storage & Solubility

**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, unless indicated below. Wherever possible solutions should be made up and stored on the same day. Please note that the prepared stock solutions are light sensitive and should be protected from light.

Suitable solvents and maximum solubilities are detailed in Section 3. 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).

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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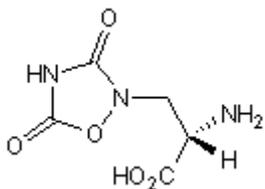
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**3. Additional Product Details**



**Product Name:** L-Quisqualic acid

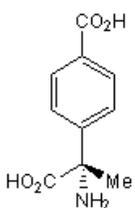
**Cat. No:** 0188

**Activity:** AMPA/group I mGlu agonist

**Storage of unopened vial:** Store at RT

**Solubility & Usage Info:** Soluble to 100 mM in 1eq. NaOH and to 10 mM in water

This product is freeze dried which may make it appear as a clear, thin film on the walls of the vial and therefore difficult to visualize.



**Product Name:** (S)-MCPG

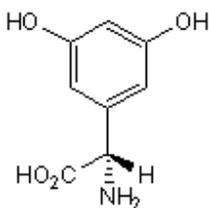
**Cat. No:** 0337

**Activity:** Non-selective mGlu antagonist. Active isomer of Cat. No. 0336

**Storage of unopened vial:** Store at RT

**Solubility & Usage Info:** Soluble to 100 mM in 1.1eq. NaOH

This product is freeze dried which may make it appear as a clear, thin film on the walls of the vial and therefore difficult to visualize.



**Product Name:** (S)-3,5-DHPG

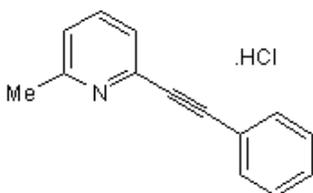
**Cat. No:** 0805

**Activity:** Selective group I mGlu agonist. Active enantiomer of 3,5-DHPG (Cat. No. 0342)

**Storage of unopened vial:** Desiccate at -20°C LIGHT SENSITIVE

**Solubility & Usage Info:** Soluble to 50 mM in water

This product is freeze dried which may make it appear as a clear, thin film on the walls of the vial and therefore difficult to visualize.



**Product Name:** MPEP hydrochloride

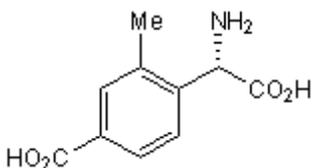
**Cat. No:** 1212

**Activity:** mGlu5 antagonist and positive allosteric modulator at mGlu4

**Storage of unopened vial:** Desiccate at +4°C

**Solubility & Usage Info:** Soluble to 5 mM in water with gentle warming and to 100 mM in DMSO

This product is freeze dried which may make it appear as a clear, thin film on the walls of the vial and therefore difficult to visualize.



**Product Name:** LY 367385

**Cat. No:** 1237

**Activity:** Selective mGlu1a antagonist

**Storage of unopened vial:** Desiccate at RT

**Solubility & Usage Info:** Soluble to 100 mM in 1.1eq. NaOH

This product is freeze dried which may make it appear as a clear, thin film on the walls of the vial and therefore difficult to visualize.

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