

**Product Name: Kainate Receptor Tocriset™**

**Catalog No.: 1824**

**Batch No.: 3**

### 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 Kainate Receptor Tocriset™ contains the listed products as lyophilised solids which can be used to investigate the pharmacology of kainate receptors.

Cat.No.	Product / Activity	Batch	Amount	Format
0222	<b>Kainic acid</b> Selective agonist	60	5 µmol	Freeze-dried solid
0903	<b>SYM 2081</b> Selective ligand	21	5 µmol	Freeze-dried solid
1045	<b>CNQX disodium salt</b> AMPA/kainate receptor antagonist	19	5 µmol	Freeze-dried solid
1107	<b>ATPA</b> Selective GluR5 agonist	6	5 µmol	Freeze-dried solid
1454	<b>GYKI 52466 dihydrochloride</b> Selective AMPA receptor antagonist	7	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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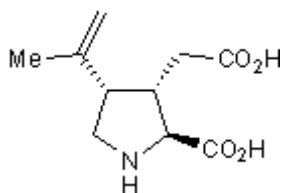
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**Batch No.:** 3

**3. Additional Product Details**



**Product Name:** Kainic acid

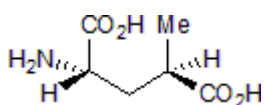
**Cat. No:** 0222

**Activity:** Potent excitant and neurotoxin

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

**Solubility & Usage Info:** Soluble to 25 mM in water with gentle warming

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:** SYM 2081

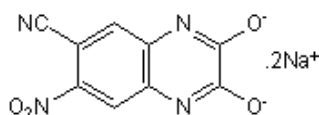
**Cat. No:** 0903

**Activity:** Highly selective kainate agonist

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

**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:** CNQX disodium salt

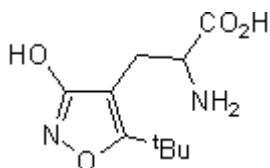
**Cat. No:** 1045

**Activity:** Potent AMPA/kainate antagonist. More water soluble form of CNQX (Cat. No. 0190)

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

**Solubility & Usage Info:** Soluble to 20 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:** ATPA

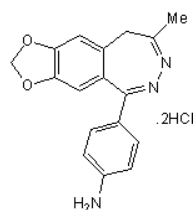
**Cat. No:** 1107

**Activity:** Selective, potent GluR5 agonist

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

**Solubility & Usage Info:** Soluble to 10 mM in water and to 100 mM in 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:** GYKI 52466 dihydrochloride

**Cat. No:** 1454

**Activity:** Selective non-competitive AMPA antagonist

**Storage of unopened vial:** Store at -20°C

**Solubility & Usage Info:** Soluble to 50 mM in DMSO 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.

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