

Product Name: AMPA Receptor Tocriset™

Catalog No.: 1822

Batch No.: 4

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

Cat.No.	Product / Activity	Batch	Amount	Format
0254	(S)-AMPA Selective agonist	25	5 µmol	Freeze-dried solid
0306	(S)-(-)-5-Fluorowillardiine Selective AMPA agonist	11	5 µmol	Freeze-dried solid
0713	Cyclothiazide AMPA receptor desensitization inhibitor	6	5 µmol	Freeze-dried solid
1044	NBQX disodium salt Selective AMPA antagonist	25	5 µmol	Freeze-dried solid
1454	GYKI 52466 dihydrochloride 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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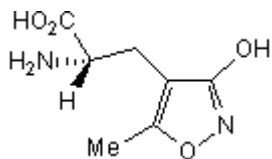
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3. Additional Product Details



Product Name: (S)-AMPA

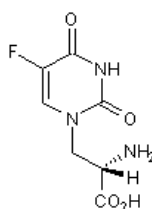
Cat. No: 0254

Activity: Selective AMPA agonist. Active isomer of (RS)-AMPA (Cat. No. 0169)

Storage of unopened vial: Store at RT

Solubility & Usage Info: Soluble to 100 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)-(-)-5-Fluorowillardiine

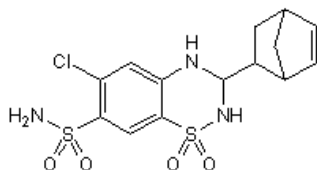
Cat. No: 0306

Activity: Very potent AMPA agonist

Storage of unopened vial: Store at RT

Solubility & Usage Info: Soluble to 50 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: Cyclothiazide

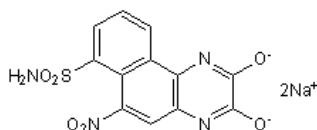
Cat. No: 0713

Activity: AMPA selective desensitization inhibitor

Storage of unopened vial: Store at RT

Solubility & Usage Info: Soluble to 100 mM in DMSO and to 25 mM in ethanol

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: NBQX disodium salt

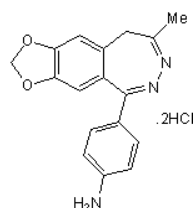
Cat. No: 1044

Activity: Potent AMPA antagonist. More water soluble form of NBQX (Cat. No. 0373)

Storage of unopened vial: Store at -20°C

Solubility & Usage Info: Soluble to 100 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: 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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