Product Name: Excitatory Amino Acid Transporter Inhibitor Tocriset™   **Catalog No.: 1830**   **Batch No.: 7**

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 Excitatory Amino Acid Transporter Inhibitor Tocriset™ contains the listed products as lyophilised solids or pre-dissolved in DMSO to a stock concentration of 10 mM in 0.5 ml. The products can be used to investigate glutamate transporter pharmacology.

Cat.No.	Product / Activity	Batch	Amount	Format
0111	**Dihydrokainic acid** EAAT2-selective non-transportable inhibitor	28	5	Freeze-dried solid
0183	**L-(-)-*threo*-3-Hydroxyaspartic acid** Transportable EAAT1-4 inhibitor/non-transportable EAAT5 inhibitor	13	5	Freeze-dried solid
0298	**L-*trans*-2,4-PDC** Transportable EAAT1-4 inhibitor/non-transportable EAAT5 inhibitor	14	5	Freeze-dried solid
0903	**SYM 2081** EAAT2 inhibitor	21	5	Freeze-dried solid
1223	**DL-TBOA** Potent non-transportable inhibitor of EAATs	15	0.5 ml	10 mM DMSO solution

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).

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Print Date: Jan 18th 2016

Product Information

www.tocris.com

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3. Additional Product Details
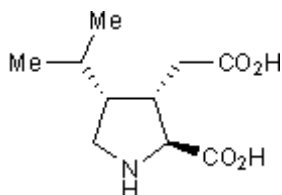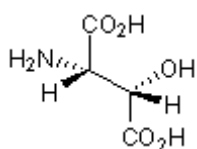

Product Name: Dihydrokainic acid   **Cat. No: 0111**

Activity: EAAT2 (GLT-1)-selective non-transportable inhibitor of L-glutamate and L-aspartate uptake

Storage of unopened vial: Store at RT

Solubility & Usage Info: Soluble to 25 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.

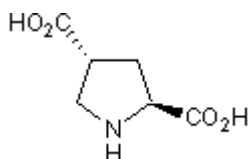**Product Name: L-(-)-*threo*-3-Hydroxyaspartic acid**   **Cat. No: 0183**

Activity: Transportable EAAT1-4 inhibitor/non-transportable EAAT5 inhibitor

Storage of unopened vial: Store at RT

Solubility & Usage Info: Soluble 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.

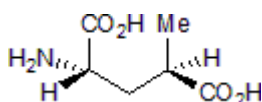

Product Name: L-*trans*-2,4-PDC   **Cat. No: 0298**

Activity: Transportable EAAT1-4 inhibitor/non-transportable EAAT5 inhibitor

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.
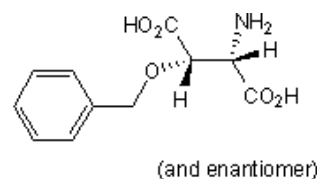

Product Name: SYM 2081   **Cat. No: 0903**

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.

(and enantiomer)

Product Name: DL-TBOA   **Cat. No: 1223**

Activity: Selective non-transportable inhibitor of EAATs

Storage of unopened vial: Desiccate at -20°C

Solubility & Usage Info: 10 mM DMSO solution