1. What is a Tocriset™?

A Tocriset™ is a ligand set designed with you, the Life Science Researcher in mind. A Tocriset™ provides a convenient and user-friendly experimental aid by presenting you with a choice of high purity, miniaturised catalogue ligands as lyophilised solids or, where necessary, ligands pre-dissolved in DMSO. By following simple solubility instructions, the compounds can be diluted with ease and are ready for use in your experiments enabling you to investigate the binding properties of a cell surface receptor or to evaluate the properties of a signal transduction pathway.

2. What does my Tocriset™ contain?

The Serotonin Uptake Inhibitor Tocriset™ (Cat. No. 1877) contains the following compounds:

- Citalopram hydrobromide; highly selective, potent 5-HT uptake inhibitor
- Clomipramine hydrochloride; potent, selective 5-HT uptake blocker
- Fluoxetine hydrochloride; selective 5-HT uptake inhibitor
- Fluvoxamine maleate; selective 5-HT uptake inhibitor
- 6-Nitroquipazine maleate; potent 5-HT uptake inhibitor

Product information, including biological description and references for each compound, can be found in the product descriptions overleaf.

3. What are the storage conditions for my Tocriset™?

Information concerning product stability, particularly in solution, has rarely been reported and, in most cases, Tocris can only offer a general guide. The lyophilised solids can be stored for up to six months from date of receipt at +4°C provided that the vial remains unopened.

Tocris recommends that stock solutions, once prepared, are stored as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Wherever possible, working solutions should be made up and used on the same day. Before use, and prior to opening a vial, it is recommended that the product be allowed to equilibrate to room temperature for at least 60 minutes.

4. What is the purity of the products in my Tocriset™?

Tocriset™ products are of high purity, typically > 98%. Each product in this Tocriset™ has an individual batch number (Section 6), and purity data relating to the batch number can be found on the Tocris website, www.tocris.com.

5. How do I dissolve the products in my Tocriset™?

This Tocriset™ contains five high purity ligands as lyophilised solids. A specific weight of each compound has been freeze-dried by Tocris to help you produce a stock solution at a convenient working concentration. You can choose to add 0.5 or 1 ml of solvent directly to the vial to produce a stock concentration of 10 or 5 mM, respectively. All compounds are fully dissolvable to 5 mM with the option of 10 mM being available where compound solubility allows. The compounds which can only be dissolved to a concentration of 5 mM in 1 ml of a specific solvent have been highlighted in the solubility chart on the next page.

For example, adding 0.5 ml of DMSO to the vial containing 6-Nitroquipazine will produce a stock concentration of 10 mM. If you want to dissolve the compound in water instead, a maximum concentration of 5 mM can be obtained by adding 1 ml of water to the vial.

The recommended solvents to use to dissolve the products are listed in the solubility chart. After addition of solvent, the solution should be rapidly vortexed. Solubility can often be encouraged by sonication or gentle warming (60°C maximum). Any compounds which may have solubility issues have been indicated in the solubility chart. The solubility data provided is accurate to the best of Tocris’ knowledge.
8. Tocriset Product Information

9. Material Safety Data Sheet (MSDS) Information

The following information is applicable to the products in this Tocriset™.

I. HAZARDS IDENTIFICATION

To the best of our knowledge, the toxicological properties have not been fully investigated. May be harmful if inhaled, swallowed or absorbed through skin. All research chemicals should be regarded as potentially neurotoxic and must be handled with extreme care.

II. FIRST-AID MEASURES

In all cases, of exposure, OBTAIN MEDICAL ADVICE IMMEDIATELY.

In case of SKIN CONTACT: Wash with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes and wash before re-wearing. In case of eye contact, flush with copious amounts of water for at least 15 minutes.

In case of INHALATION: Remove victim to fresh air. If breathing is difficult give artificial respiration. In case of INGESTION:

If swallowed, rinse mouth out with water and call a physician.

III. PRE-FIGHTING MEASURES/ACCIDENTAL RELEASE MEASURES

Distinguishing feature: Material is non-combustible. Use extinguignting media appropriate to surrounding conditions. May yield toxic gases upon thermal decomposition.

Unusual Fire and Explosive Hazards: Heat may cause a fire to spread faster than the actual rate of burning. Special Fire Fighting Procedures: Wear protective clothing to prevent contact with skin and eyes. Sweep up solid and place in an appropriate container. Avoid raising dust. Store in a cool, well-ventilated area.

IV. HANDLING AND STORAGE/EXPOSURE CONTROL/PERSONAL PROTECTION

When appropriate protective clothing and face shield to prevent contact with skin and eyes. Use in a well-ventilated area. Avoid breathing dust. Minimize dust exposure. Wash skin with soap and water after handling and on eye-wash station. Avoid prolonged or repeated exposure. Do not breathe dust. Do not get in eyes, on skin or on clothing. Wash thoroughly after handling.

V. STABILITY AND REACTIVITY

Stability: Stable under normal handling conditions.

Compatibility: May emit toxic gases such as carbon dioxide, carbon monoxide and nitrogen oxides upon thermal decomposition.

VI. TOXICOLOGICAL INFORMATION

To the best of our knowledge, the chemical, physical and toxicological properties have not been fully investigated. May be harmful if inhaled, swallowed or absorbed through skin. All research chemicals should be regarded as potentially neurotoxic and must be handled with extreme care.

VII. CONTROLLED SUBSTANCE

 may exist for some products supplied in this Tocriset™.

VIII. DISPOSAL CONSIDERATIONS/ECOLOGICAL INFORMATION

As country, federal, state and local environment regulations are varied and change frequently, we recommend that you contact your local Department for Health Services for information on the disposal of products in this Tocriset™. Treat as potentially toxic if released into the environment.

IX. TRANSPORT CONDITIONS

Products contained in this Tocriset™ are believed safe for transport.

X. REGULATORY INFORMATION

Classification and labelling data in accordance with local and national safety legislation. The absence of warning must not, under any circumstances, be taken to mean that a product is hazard free. Further MSDS information on individual products contained within this Tocriset™ are available from the Tocris website, www.tocris.com, or via Tocris Technical Support (see Section 1).