

**Product Name:**  $\alpha_1$ -Adrenoceptor Tocriset™

**Catalog No.:** 1871

**Batch No.:** 1

### 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  $\mu$ L of solvent to a vial containing 5  $\mu$ mol of compound yields a 10 mM stock solution. Some compounds that are unsuitable for lyophilization are provided pre-dissolved in DMSO.

The  $\alpha_1$ -Adrenoceptor Tocriset™ contains the listed products as lyophilised solids and can be used to investigate the pharmacology of  $\alpha_1$ -adrenoceptors.

Cat.No.	Product / Activity	Batch	Amount	Format
0623	<b>Prazosin hydrochloride</b> $\alpha_1$ -adrenoceptor antagonist	4	5 $\mu$ mol	Freeze-dried solid
0888	<b>Cirazoline hydrochloride</b> Selective $\alpha_1$ -adrenoceptor agonist	7	5 $\mu$ mol	Freeze-dried solid
0946	<b>WB 4101 hydrochloride</b> Selective $\alpha_{1A}$ -adrenoceptor antagonist	6	5 $\mu$ mol	Freeze-dried solid
1006	<b>BMY 7378 dihydrochloride</b> Selective $\alpha_{1D}$ -adrenoceptor antagonist	1	5 $\mu$ mol	Freeze-dried solid
1052	<b>A 61603 hydrobromide</b> $\alpha_{1A}$ -adrenoceptor agonist	2	5 $\mu$ mol	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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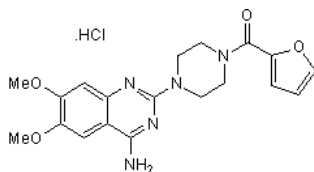
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**3. Additional Product Details**



**Product Name:** Prazosin hydrochloride

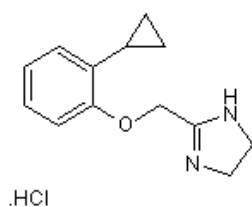
**Cat. No:** 0623

**Activity:**  $\alpha_1$  and  $\alpha_2B$  antagonist. MT3 antagonist

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

**Solubility & Usage Info:** Soluble to 25 mM in DMSO and to 5 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:** Cirazoline hydrochloride

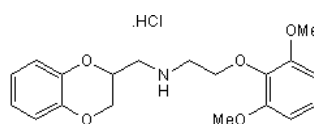
**Cat. No:** 0888

**Activity:** Selective  $\alpha_1$  agonist

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

**Solubility & Usage Info:** Soluble to 100 mM in water 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:** WB 4101 hydrochloride

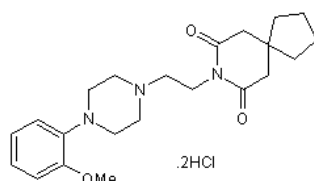
**Cat. No:** 0946

**Activity:**  $\alpha_1A$  antagonist

**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:** BMY 7378 dihydrochloride

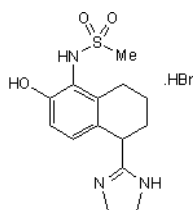
**Cat. No:** 1006

**Activity:** Selective  $\alpha_1D$  antagonist

**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:** A 61603 hydrobromide

**Cat. No:** 1052

**Activity:**  $\alpha_1A$  agonist

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

**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.

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