

Product Name: α_2 -Adrenoceptor Tocriset™

Catalog No.: 1872

Batch No.: 2

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

The α_2 -Adrenoceptor Tocriset™ contains the listed products either 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 the pharmacology of α_2 -adrenoceptors.

Cat.No.	Product / Activity	Batch	Amount	Format
0425	UK 14,304 α_2 -adrenoceptor agonist	2	0.5 mL	10 mM DMSO solution
0891	Rauwolscine hydrochloride Standard α_2 -adrenoceptor antagonist	9	5 μ mol	Freeze-dried solid
0928	ARC 239 dihydrochloride Selective α_{2B} -adrenoceptor antagonist	2	5 μ mol	Freeze-dried solid
1030	Guanfacine hydrochloride Selective α_{2A} -adrenoceptor agonist	4	5 μ mol	Freeze-dried solid
1133	BRL 44408 maleate Selective α_{2A} -adrenoceptor antagonist	9	5 μ 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).

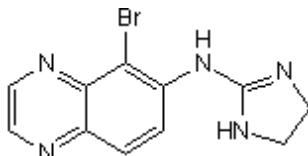
Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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3. Additional Product Details



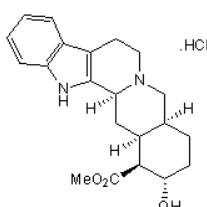
Product Name: UK 14,304

Cat. No: 0425

Activity: α_2 agonist

Storage of unopened vial: Store at RT

Solubility & Usage Info: 10 mM DMSO solution



Product Name: Rauwolscine hydrochloride

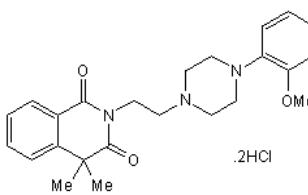
Cat. No: 0891

Activity: α_2 antagonist

Storage of unopened vial: Store at RT

Solubility & Usage Info: Soluble to 5 mM in water with gentle warming and to 25 mM in DMSO 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: ARC 239 dihydrochloride

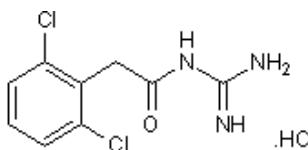
Cat. No: 0928

Activity: α_2B 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: Guanfacine hydrochloride

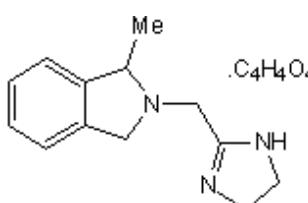
Cat. No: 1030

Activity: α_2A 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: BRL 44408 maleate

Cat. No: 1133

Activity: Selective α_2A antagonist

Storage of unopened vial: Desiccate at -20°C

Solubility & Usage Info: Soluble to 100 mM in water

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bio-techne.com

info@bio-techne.com

techsupport@bio-techne.com

North America

Tel: (800) 343 7475

China

info.cn@bio-techne.com

Tel: +86 (21) 52380373

Europe Middle East Africa

Tel: +44 (0)1235 529449

Rest of World

www.tocris.com/distributors

Tel: +1 612 379 2956