

Product Name: Phosphodiesterase Inhibitor Tocriset™

Catalog No.: 1881

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 Phosphodiesterase Inhibitor Tocriset™ contains the listed products which can be used to investigate signalling pathways involving PDE3 and PDE4. The products are pre-dissolved in DMSO at a stock concentration of 10 mM in 0.5 ml.

Cat.No.	Product / Activity	Batch	Amount	Format
0415	Ro 20-1724 Widely used PDE inhibitor, selective for PDE4	3	0.5 ml	10 mM DMSO solution
0915	Cilostamide Selective inhibitor of PDE3	2	0.5 ml	10 mM DMSO solution
1046	Zardaverine Selective inhibitor of PDE3 and 4	4	0.5 ml	10 mM DMSO solution
1349	(R)-(-)-Rolipram Selective inhibitor of PDE4	14	0.5 ml	10 mM DMSO solution
1504	Milrinone Potent inhibitor of PDE3	1	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).

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

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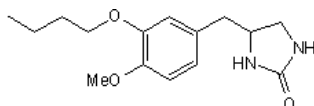
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3. Additional Product Details



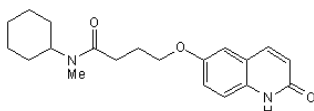
Product Name: Ro 20-1724

Cat. No: 0415

Activity: PDE4 inhibitor

Storage of unopened vial: Store at RT

Solubility & Usage Info: 10 mM DMSO solution



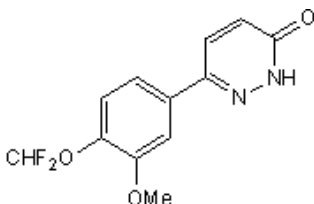
Product Name: Cilostamide

Cat. No: 0915

Activity: PDE3 inhibitor

Storage of unopened vial: Store at RT

Solubility & Usage Info: 10 mM DMSO solution



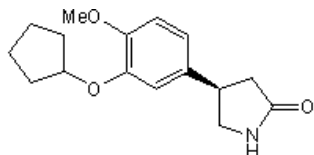
Product Name: Zardaverine

Cat. No: 1046

Activity: PDE3/4 inhibitor

Storage of unopened vial: Store at RT

Solubility & Usage Info: 10 mM DMSO solution



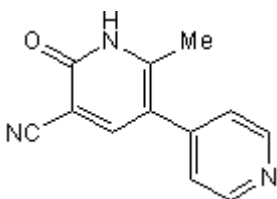
Product Name: (*R*)-(-)-Rolipram

Cat. No: 1349

Activity: PDE4 inhibitor. More active enantiomer of rolipram (Cat. No. 0905)

Storage of unopened vial: Store at RT

Solubility & Usage Info: 10 mM DMSO solution



Product Name: Milrinone

Cat. No: 1504

Activity: PDE3 inhibitor

Storage of unopened vial: Store at +4°C

Solubility & Usage Info: 10 mM DMSO solution

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