

**Product Name:** MAPK Inhibitor Tocriset™

**Catalog No.:** 1879

**Batch No.:** 16

### 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 MAPK Inhibitor Tocriset™ contains the listed products which can be used to study MAPK signalling. The products are supplied either as a solid (U0126) or pre-dissolved in DMSO at a stock concentration of 10 mM in 0.5 ml.

Cat.No.	Product / Activity	Batch	Amount	Format
1144	<b>U0126</b> Potent and selective inhibitor of MAP2K	5	2 mg	Solid
1202	<b>SB 203580</b> Selective inhibitor of p38 MAPK	5	0.5 µmol	Freeze-dried solid
1213	<b>PD 98059</b> Inhibitor of MAP2K / MEK	8	0.5 µmol	Freeze-dried solid
1264	<b>SB 202190</b> Highly selective, potent inhibitor of p38 MAPK	4	0.5 µmol	Freeze-dried solid
1496	<b>SP 600125</b> Selective JNK inhibitor	10	0.5 µmol	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

**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

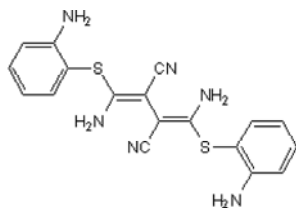
Tel:+1 612 379 2956

**Product Name:** MAPK Inhibitor Tocriset™

**Catalog No.:** 1879

**Batch No.:** 16

**3. Additional Product Details**



**Product Name:** U0126

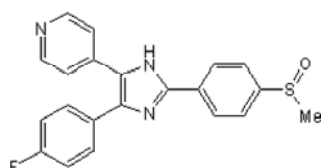
**Cat. No:** 1144

**Activity:** Potent, selective inhibitor of MEK1 and 2

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

**Solubility & Usage Info:** Soluble to 100 mM in DMSO

CAUTION - This product has been shown\* to isomerise relatively rapidly once in solution, affecting its activity. Therefore, we recommend that, as far as possible, solutions should be made up and used within 24 hours. This product contains 1 molar equivalent of ethanol \*Duncia *et al* (1998) MEK inhibitors: the chemistry and biological activity of U0126, its analogs, and cyclization products. *Bioorg.Med.Chem.Lett.* 8 2839.



**Product Name:** SB 203580

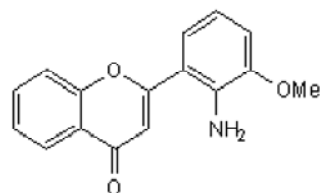
**Cat. No:** 1202

**Activity:** Selective inhibitor of p38 MAPK

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

**Solubility & Usage Info:** Soluble to 25 mM in DMSO and to 100 mM in 1eq. HCl

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:** PD 98059

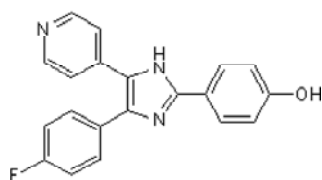
**Cat. No:** 1213

**Activity:** MEK inhibitor

**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:** SB 202190

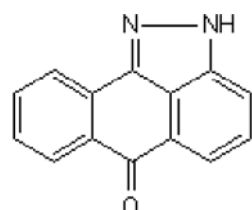
**Cat. No:** 1264

**Activity:** Potent, selective inhibitor of p38 MAPK

**Storage of unopened vial:** Store at -20°C

**Solubility & Usage Info:** Soluble 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:** SP 600125

**Cat. No:** 1496

**Activity:** Selective JNK inhibitor

**Storage of unopened vial:** Desiccate at -20°C LIGHT SENSITIVE

**Solubility & Usage Info:** Soluble to 5 mM in ethanol with gentle warming and to 100 mM in DMSO

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