

## MATERIAL SAFETY DATA SHEET

### 1 IDENTIFICATION OF MATERIAL AND SUPPLIER

Trade Name: Easy50™ MAPK Inhibitor Array  
 Catalog Number: IAM001  
 Supplier: Symansis NZ Ltd  
 C/- Institute for Innovation and Biotechnology  
 The University of Auckland  
 Private Bag 92019  
 Auckland 1142, New Zealand  
[www.Symansis.com](http://www.Symansis.com)  
[info@symansis.com](mailto:info@symansis.com)  
 Technical assistance:  
 Emergency phone number: Please contact your local Poison Control Centre  
 Australia – 131126  
 New Zealand – (0)34747000  
 United States – 1800 222 1222  
 Revision date: May 2011  
 Revision number: 1

### 2 HAZARDS IDENTIFICATION

**Emergency overview** Avoid contact and inhalation. Target organ(s): immune system.  
**Routes of entry** Dermal contact. Eye contact. Inhalation. Ingestion.  
**Health hazards (acute and chronic)** Material may be harmful by inhalation, ingestion, or skin absorption.  
 May be irritating to the mucous membranes and upper respiratory tract.  
 May cause eye, skin, or respiratory system irritation.  
 The toxicological properties of this product have not been evaluated.  
**Signs of exposure** No data available.

### 3 COMPOSITION / INFORMATION ON INGREDIENTS

Product	IUPAC name	CAS No.
SB590885	5-(2-(4-(2-(dimethylamino)ethoxy)phenyl)-5-(pyridin-4-yl)-1H-imidazol-4-yl)-2,3-dihydroinden-1-one oxime	405554-55-4
Sorafenib	4-[4-[[4-chloro-3-(trifluoromethyl)phenyl]carbamoylamino]-phenoxy]-N-methylpyridine-2-carboxamide	284461-73-0
CI1040	2-(2-chloro-4-iodophenylamino)-N-(cyclopropylmethoxy)-3,4-difluorobenzamide	212631-79-3
PD0325901	N-[(2R)-2,3-dihydroxypropoxy]-3,4-difluoro-2-[(2-fluoro-4-iodophenyl)amino]-Benzamide	391210-10-9
AZD6244	6-(4-bromo-2-chlorophenylamino)-7-fluoro-N-(2-hydroxy-ethoxy)-3-methyl-3H-benzo[d]imidazole-5-carboxamide	606143-52-6
PD98059	2-(2-amino-3-methoxyphenyl)-4H-1-benzopyran-4-one	167-869-21-8
BIRB796	1-(5-tert-Butyl-2-p-tolyl-2H-pyrazol-3-yl)-3-[4-(2-morpholin-4-yl-ethoxy)-naphthalen-1-yl]-urea	285983-48-4
SB203580	4-(4-(4-fluorophenyl)-2-(4-(methylsulfinyl)phenyl)-1H-imidazol-5-yl)pyridine	15121-47-6
RWJ67657	4-(4-(4-fluorophenyl)-1-(3-phenylpropyl)-5-(pyridin-4-yl)-1H-imidazol-2-yl)but-3-yn-1-ol	215303-72-3
SB202190	4-(4-(4-fluorophenyl)-5-(pyridin-4-yl)-1H-imidazol-2-yl)phenol	152121-30-7
Tak715	N-(4-(2-ethyl-4-m-tolylthiazol-5-yl)pyridin-2-yl)benzamide	303162-79-0
R1487	6-(2,4-difluorophenoxy)-8-methyl-2-(tetrahydro-2H-pyran-4-ylamino)pyrido[2,3-d]pyrimidin-7(8H)-one hydrochloride	449808-64-4

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#### 4 FIRST AID MEASURES

**Eye contact:** Check for and remove contact lenses. Flush eyes with water for at least 15 minutes. Get medical attention.

**Skin contact:** Wash skin thoroughly with soap and water. Remove and wash contaminated clothing. Should irritation occur get medical attention.

**Inhalation:** If inhaled remove to fresh air. If breathing is affected seek medical attention.

**Ingestion:** Flush out mouth and drink large amounts of water. Seek medical attention if symptoms appear.

**Puncture wounds:** Allow to bleed freely. Wash thoroughly with soap and water. Get medical attention.

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#### 5 FIRE FIGHTING MEASURES

**Suitable extinguishing media:** CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

**Hazards from combustion products:** Not relevant.

**Special protective precautions and equipment for fire fighters:** Not relevant.

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#### 6 ACCIDENTAL RELEASE MEASURES

**Emergency procedures:** Not relevant.

**Methods and materials for containment and clean up:** Absorb, sweep or vacuum up spill, avoid raising dust. Place in closed container for disposal. Minimize contact with spill. Wear chemical-resistant gloves, safety glasses, lab coat, dust mask. Wash spill site area with water after clean-up.

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#### 7 HANDLING AND STORAGE

**Precautions for safe handling:** Avoid inhalation, and contact with eyes, skin, and clothing. Avoid repeated or prolonged exposure. Wear protective clothing.

**Conditions for safe storage:** Store in original container, keep container sealed until ready for use. Containers that have been opened should be carefully resealed and kept upright to prevent leakage. Do not reuse container.

**Do not store with:** No restriction.

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#### 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

**National exposure standards:** Not available.

**Biological limit values:** Not available.

**Engineering controls:** Provide adequate local exhaust ventilation.

**Personal protective equipment:** Wear chemical-resistant gloves, safety glasses, lab coat.

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#### 9 PHYSICAL AND CHEMICAL PROPERTIES

**Physical state:** Solid.

**Odor:** Undetermined.

**Change in condition**

**Melting point/Melting range:** Undetermined.

**Boiling point/Boiling range:** Undetermined.

**Flash point:** Not applicable.

**Flammability (solid, gaseous):** Undetermined.

**Danger of explosion:** Product does not present an explosion hazard.

**Density:** Not determined.

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## 10 STABILITY AND REACTIVITY

<b>Chemical stability:</b>	The product is stable.
<b>Thermal decomposition / conditions to be avoided:</b>	No decomposition if used according to specifications.
<b>Dangerous reaction:</b>	No dangerous reactions known.
<b>Dangerous decomposition products:</b>	No dangerous decomposition products known.

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## 11 TOXICOLOGICAL INFORMATION

Health effects from the likely routes of exposure (eye, skin, inhalation, ingestion):

<b>Acute toxicity:</b>	No known significant effects or critical hazards.
<b>LD/LC50 values relevant:</b>	Unknown.
<b>Primary irritant effect:</b>	Unknown.
<b>Sensitization:</b>	Unknown.

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## 12 ECOLOGICAL INFORMATION

<b>Ecotoxicity:</b>	Not available.
<b>Persistence and degradability:</b>	Not available.

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## 13 DISPOSAL CONSIDERATIONS

**Disposal methods and containers:** Dispose of small quantities in waste water. Disposal should be in accordance with Federal, Provincial /State and Local Laws and regulations. Special precautions for landfill or incineration: Not regarded as hazardous waste.

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## 14 TRANSPORT INFORMATION

<b>UN Number:</b>	Not available.
<b>UN Proper Shipping Name:</b>	Not available.
<b>Class and subsidiary risk:</b>	Not available.
<b>Packing Group:</b>	Not available.
<b>Special precautions for user:</b>	Not required.
<b>Hazchem Code:</b>	Not available.

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## 15 REGULATORY INFORMATION

### Europe:

This product is not classified according to EU regulations. Classification has been performed according to EU directives 1999/45/EC and 67/548/EEC.

**Risk and safety phrases:** S22 – do not breathe dust.  
S24/5 – avoid contact with skin and eyes.  
S36/37/39 – wear protective clothing, gloves, and eye/face protection.

### US Federal Regulations:

TSCA: No products were found.  
SARA: 302/304/311/312 extremely hazardous substances: No products were found.  
SARA: 302/304 emergency planning and notification. No products were found.  
SARA: 302/304/311/312 hazardous chemicals: No products were found.  
SARA: 311/312. MSDS distribution-chemical inventory-hazard identification: No products were found.  
Clean Water Act (CWA) 307/311: No products were found.  
Clean Air Act (CAA) 112: Accidental release prevention: No products were found.  
Clean Air Act (CAA) 112: Regulated flammable substances: No products were found.



Clean Air Act (CAA) 112: Regulated toxic substances: No products were found.

**Canada: WHMIS**

Not controlled under WHMIS: No products were found.

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**16 OTHER INFORMATION**

Disclaimer: The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. Symansis makes no guarantee or representation, either expressed or implied, as to the accuracy or completeness of such information. The information given is designed as a guidance for safe handling, use, processing, storage, transportation, disposal or release only.

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