

## SAFETY DATA SHEET

### 1. IDENTIFICATION

- |                            |   |
|----------------------------|---|
| 1.1. Product Name          | Stemolecule™ SB-590885  |
| 1.2. Catalog Number        | 04-0080   |
| 1.3. Uses and restrictions | For research use only. Not for use in diagnostic or therapeutic applications  |
| 1.4. Manufacturer/Supplier | Stemgent®, Inc.<br>4 Hartwell Place<br>Lexington, MA 02421 USA<br>(617) 245-0000  |
| 1.5. In Case of Emergency  | <ul style="list-style-type: none"><li>For medical emergencies, contact your local emergency center.</li><li>For transportation emergencies, contact your local transportation authorities.</li><li>For other non-medical or environmental emergencies please call (617) 245-0000, 8:00 am-4:00 pm EST, Monday – Friday.</li></ul> |

### 2. HAZARDS IDENTIFICATION

- |  |                                       |
|--|---------------------------------------|
| 2.1. Classification  | Not a hazardous substance or mixture. |
| 2.2. Signal Word   | Not applicable.                       |
| 2.3. Symbol  | Not applicable.                       |
| 2.4. Hazard Statement(s)   | Not applicable.                       |
| 2.5. Precautionary Statement(s)                                    | Not applicable.                       |
| 2.6. Hazards not otherwise classified (HNOC) or not covered by GHS | None.                                 |

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

- |                       |   |
|-----------------------|---|
| 3.1. Chemical Name    | Stemolecule™ SB-590885  |
| 3.2. Synonyms         | 5-[2-[4-[2-(Dimethylamino)ethoxy]phenyl]-5-(4-pyridinyl)-1H-imidazol-4-yl]-2,3-dihydro-1H-inden-1-one oxime |
| 3.3. Chemical Formula | C27H27N5O2  |
| 3.4. Molecular Weight | 453.54 g/mol  |
| 3.5. CAS Number       | 405554-55-4   |

### 4. FIRST AID MEASURES

- |  |   |
|--|---|
| 4.1. First Aid Instructions                                    |   |
| <ul style="list-style-type: none"><li>General Advice</li></ul> | Move out of exposure area. Consult a physician.   |
| <ul style="list-style-type: none"><li>Eyes</li></ul>           | Check for and remove contact lenses immediately and flush thoroughly with water for at least 15 minutes. Call a physician.                |
| <ul style="list-style-type: none"><li>Skin</li></ul>           | Immediately flush skin with copious amounts of water. Remove contaminated clothing and shoes and wash before use. Contact a physician.    |
| <ul style="list-style-type: none"><li>Ingestion</li></ul>      | If swallowed, wash mouth out with water provided person is conscious. Do not induce vomiting. Loosen tight clothing. Contact a physician. |



**AMERICAS • HUMAN TISSUE**  
9000 Virginia Manor Road, Suite 207  
Beltsville, MD 20705, USA  
Tel: (301) 470-3362  
Email: [info@bioserve.com](mailto:info@bioserve.com)  
[www.bioserve.com](http://www.bioserve.com)



**AMERICAS • REAGENTS**  
4 Hartwell Place  
Lexington, MA 02421, USA  
Tel: (617) 245-0000  
Email: [info@stemgent.com](mailto:info@stemgent.com)  
[www.stemgent.com](http://www.stemgent.com)



**ASIA PACIFIC**  
KDX Shin-yokohama381 Bldg9F  
3-8-11, Shin-yokohama, Kohoku-ku,  
Yokohama, Kanagawa 222-0033, Japan  
Tel: +81 45 475 3887  
Email: [info\\_jp@reprocell.com](mailto:info_jp@reprocell.com)  
[www.reprocell.com/en](http://www.reprocell.com/en)



**EUROPE**  
NETPark Incubator  
Thomas Wright Way  
Sedgefield, Co. Durham  
TS21 3FD, UNITED KINGDOM  
Tel: +44 (0)1740 625 266  
Email: [info@reinnervate.com](mailto:info@reinnervate.com)  
[www.reinnervate.com](http://www.reinnervate.com)



**AMERICAS & EUROPE  
HUMAN TISSUE ASSAYS**  
Weipers Centre, Garscube Estate  
Bearsden Road, Glasgow G61 1QH  
United Kingdom  
Tel: +44 (0)141 330 3831  
Email: [info@biopta.com](mailto:info@biopta.com)  
[www.biopta.com](http://www.biopta.com)

## SAFETY DATA SHEET

- Inhalation  
If inhaled, remove person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, call a physician.
- Puncture Wounds  
Wash thoroughly with soap and water. Allow wound to bleed freely. Contact a physician.
- 4.2. Most Important Symptoms/effects, acute and immediate  
Described in section 2.
- 4.3. Indications of immediate medical attention and special treatment needed  
No data available.

### 5. FIRE FIGHTING MEASURES

- 5.1. Suitable extinguishing media.  
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- 5.2. Specific hazards arising from the chemical  
No data available.
- 5.3. Special protective equipment and precautions for fire-fighters  
Wear self contained breathing apparatus for firefighting if necessary.

### 6. ACCIDENTAL RELEASE MEASURES

- 6.1. Personal precautions, protective equipment, and emergency procedures  
Use personal protective equipment (see section 8). Avoid direct contact with skin or eyes and prevent inhalation of dust.
- 6.2. Environmental Precautions  
Do not let product enter drains.
- 6.3. Methods and materials for containment and clean up  
Sweep into an appropriate container. Avoid raising dust. Ensure complete closure of container. Wipe the residual material at the spill site with paper towel dampened with water. Dispose waste following proper disposal method (see section 13).

### 7. HANDLING AND STORAGE

- 7.1 Precautions for safe handling
  - Avoid inhalation, contact with eyes, skin, and clothing.
  - Avoid prolonged or repeated exposure.
  - Provide appropriate exhaust ventilation at places where dust is formed.
  - For other precautions see section 2.5.
- 7.2 Conditions for safe storage, including any incompatibilities  
Keep tightly closed. Store at 4 °C protected from light. Following reconstitution, store aliquots at -20 °C.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1. Control Parameters  
No known occupational exposure limits values.



**AMERICAS • HUMAN TISSUE**  
9000 Virginia Manor Road, Suite 207  
Beltsville, MD 20705, USA  
Tel: (301) 470-3362  
Email: [info@bioserve.com](mailto:info@bioserve.com)  
[www.bioserve.com](http://www.bioserve.com)



**AMERICAS • REAGENTS**  
4 Hartwell Place  
Lexington, MA 02421, USA  
Tel: (617) 245-0000  
Email: [info@stemgent.com](mailto:info@stemgent.com)  
[www.stemgent.com](http://www.stemgent.com)



**ASIA PACIFIC**  
KDX Shin-yokohama381 Bldg9F  
3-8-11, Shin-yokohama, Kohoku-ku,  
Yokohama, Kanagawa 222-0033, Japan  
Tel: +81 45 475 3887  
Email: [info\\_jp@reprocell.com](mailto:info_jp@reprocell.com)  
[www.reprocell.com/en](http://www.reprocell.com/en)



**EUROPE**  
NETPark Incubator  
Thomas Wright Way  
Sedgefield, Co. Durham  
TS21 3FD, UNITED KINGDOM  
Tel: +44 (0)1740 625 266  
Email: [info@reinnervate.com](mailto:info@reinnervate.com)  
[www.reinnervate.com](http://www.reinnervate.com)



**AMERICAS & EUROPE  
HUMAN TISSUE ASSAYS**  
Weipers Centre, Garscube Estate  
Bearsden Road, Glasgow G61 1QH  
United Kingdom  
Tel: +44 (0)141 330 3831  
Email: [info@biopta.com](mailto:info@biopta.com)  
[www.biopta.com](http://www.biopta.com)

## SAFETY DATA SHEET

- |  |   |
|--|---|
| 8.2. Appropriate engineering controls                                      | Safety shower and eye bath. Mechanical exhaust required.  |
| 8.3. Protection measures and Personal Protective Equipment                 | Handle in accordance with good industrial hygiene and safety practices. Wash thoroughly after handling.   |
| <ul style="list-style-type: none"> <li>• Respiratory Protection</li> </ul> | Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. |
| <ul style="list-style-type: none"> <li>• Eye Protection</li> </ul>         | Chemical safety goggles.  |
| <ul style="list-style-type: none"> <li>• Skin Protection</li> </ul>        | Protective gloves and lab coat.   |

### 9. PHYSICAL/CHEMICAL PROPERTIES

- |  |  |
|--|--|
| 9.1. Appearance                                    | Yellow/ Pale yellow solid.   |
| 9.2. Odor  | No data available.   |
| 9.3. Odor Threshold                                | No data available.   |
| 9.4. pH  | No data available.   |
| 9.5. Melting point/freezing point                  | No data available.   |
| 9.6. Initial boiling point and boiling range       | No data available.   |
| 9.7. Flash point                                   | No data available.   |
| 9.8. Evaporation rate                              | No data available.   |
| 9.9. Flammability (solid, gas);                    | No data available.   |
| 9.10. Upper/lower flammability or explosive limits | No data available.   |
| 9.11. Vapor pressure                               | No data available.   |
| 9.12. Vapor density                                | No data available.   |
| 9.13. Relative density                             | No data available.   |
| 9.14. Solubility(ies)                              | 100mM in Dimethylsulfoxide, 1mM in 200-Proof Ethanol, <1mM in Water. |
| 9.15. Partition coefficient: n-octanol/water       | No data available.   |
| 9.16. Auto-ignition temperature                    | No data available.   |
| 9.17. Decomposition temperature                    | No data available.   |
| 9.18. Viscosity                                    | No data available.   |

### 10. STABILITY/REACTIVITY

- |  |  |
|--|--|
| 10.1. Reactivity                         | No data available.   |
| 10.2. Chemical Stability                 | This product is stable under recommended storage conditions. |
| 10.3. Possibility of hazardous reactions | No data available.   |



**AMERICAS • HUMAN TISSUE**  
9000 Virginia Manor Road, Suite 207  
Beltsville, MD 20705, USA  
Tel: (301) 470-3362  
Email: [info@bioserve.com](mailto:info@bioserve.com)  
[www.bioserve.com](http://www.bioserve.com)



**AMERICAS • REAGENTS**  
4 Hartwell Place  
Lexington, MA 02421, USA  
Tel: (617) 245-0000  
Email: [info@stemgent.com](mailto:info@stemgent.com)  
[www.stemgent.com](http://www.stemgent.com)



**ASIA PACIFIC**  
KDX Shin-yokohama381 Bldg9F  
3-8-11, Shin-yokohama, Kohoku-ku,  
Yokohama, Kanagawa 222-0033, Japan  
Tel: +81 45 475 3887  
Email: [info\\_jp@reprocell.com](mailto:info_jp@reprocell.com)  
[www.reprocell.com/en](http://www.reprocell.com/en)



**EUROPE**  
NETPark Incubator  
Thomas Wright Way  
Sedgefield, Co. Durham  
TS21 3FD, UNITED KINGDOM  
Tel: +44 (0)1740 625 266  
Email: [info@reinnervate.com](mailto:info@reinnervate.com)  
[www.reinnervate.com](http://www.reinnervate.com)



**AMERICAS & EUROPE  
HUMAN TISSUE ASSAYS**  
Weipers Centre, Garscube Estate  
Bearsden Road, Glasgow G61 1QH  
United Kingdom  
Tel: +44 (0)141 330 3831  
Email: [info@biopta.com](mailto:info@biopta.com)  
[www.biopta.com](http://www.biopta.com)

## SAFETY DATA SHEET

- |  |                          |
|--|--------------------------|
| 10.4. Conditions to Avoid              | Moisture and heat.       |
| 10.5. Incompatible materials           | Strong oxidizing agents. |
| 10.6. Hazardous decomposition products | No data available.       |

### 11. TOXICOLOGICAL INFORMATION

- |  |   |
|--|---|
| 11.1. Toxicological effects  | No data available.  |
| • Acute toxicity   | No data available.  |
| • Skin corrosion/irritation  | No data available.  |
| • Serious eye damage/eye irritation  | No data available.  |
| • Respiratory or skin sensitization  | No data available.  |
| • Germ cell mutagenicity   | No data available.  |
| • Carcinogenicity  | <ul style="list-style-type: none"> <li>• IARC: No components of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen.</li> <li>• ACGIH: No components of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen.</li> <li>• NTP: No components of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen.</li> <li>• OSHA: No components of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen.</li> </ul> |
| • Reproductive Toxicity  | No data available.  |
| • Specific target organ toxicity - single exposure                                 | No data available.  |
| • Specific target organ toxicity - repeated exposure                               | No data available.  |
| • Aspiration hazard  | No data available.  |
| 11.2. Symptoms related to the physical, chemical and toxicological characteristics | No data available.  |
| 11.3. Effects of Short-Term Exposure   | No data available.  |
| 11.4. Effects of Long-Term Exposure  | No data available.  |
| 11.5. Numerical measures of toxicity   | No data available.  |
| 11.6. Other Information  | None.   |



**AMERICAS • HUMAN TISSUE**  
 9000 Virginia Manor Road, Suite 207  
 Beltsville, MD 20705, USA  
 Tel: (301) 470-3362  
 Email: [info@bioserve.com](mailto:info@bioserve.com)  
[www.bioserve.com](http://www.bioserve.com)



**AMERICAS • REAGENTS**  
 4 Hartwell Place  
 Lexington, MA 02421, USA  
 Tel: (617) 245-0000  
 Email: [info@stemgent.com](mailto:info@stemgent.com)  
[www.stemgent.com](http://www.stemgent.com)



**ASIA PACIFIC**  
 KDX Shin-yokohama381 Bldg9F  
 3-8-11, Shin-yokohama, Kohoku-ku,  
 Yokohama, Kanagawa 222-0033, Japan  
 Tel: +81 45 475 3887  
 Email: [info\\_jp@reprocell.com](mailto:info_jp@reprocell.com)  
[www.reprocell.com/en](http://www.reprocell.com/en)



**EUROPE**  
 NETPark Incubator  
 Thomas Wright Way  
 Sedgefield, Co. Durham  
 TS21 3FD, UNITED KINGDOM  
 Tel: +44 (0)1740 625 266  
 Email: [info@reinnervate.com](mailto:info@reinnervate.com)  
[www.reinnervate.com](http://www.reinnervate.com)



**AMERICAS & EUROPE  
 HUMAN TISSUE ASSAYS**  
 Weipers Centre, Garscube Estate  
 Bearsden Road, Glasgow G61 1QH  
 United Kingdom  
 Tel: +44 (0)141 330 3831  
 Email: [info@biopta.com](mailto:info@biopta.com)  
[www.biopta.com](http://www.biopta.com)

## SAFETY DATA SHEET

### 12. ECOLOGICAL INFORMATION

12.1. Toxicity	No data available.
12.2. Persistence and degradability	No data available.
12.3. Bioaccumulative potential	No data available.
12.4. Mobility in soil	No data available.
12.5. Results of PBT and vPvB assessment	Not applicable.
12.6. Other adverse effects	No data available

### 13. DISPOSAL CONSIDERATIONS

13.1. Disposal Method	Unused product and contaminated waste must be disposed of in accordance with federal, state, and local environmental control regulations.
13.2. Personal safety	Refer to section 8.

### 14. TRANSPORT INFORMATION

This product is considered non-hazardous for transport.

### 15. REGULATORY INFORMATION

#### U.S. Federal Regulations

• SARA 313 components	Does not contain any components subject to reporting.
• SARA 302 components	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels.
• SARA 311/312 Hazards	Not hazardous.
• Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see CFR 61)	Does not contain any components subject to reporting.

#### U.S. State Regulations

• California Proposition 65	Does not contain any components subject to reporting.
• Massachusetts Right To Know Components	Does not contain any components subject to reporting.
• Pennsylvania Right To Know Components	SB-590885, CAS No. 405554-55-4
• New Jersey Right To Know Components	SB-590885, CAS No. 405554-55-4

WHMIS Hazard Class Not controlled under WHMIS (Canada).

### 16. OTHER INFORMATION

Notice The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product



**AMERICAS • HUMAN TISSUE**  
9000 Virginia Manor Road, Suite 207  
Beltsville, MD 20705, USA  
Tel: (301) 470-3362  
Email: [info@bioserve.com](mailto:info@bioserve.com)  
[www.bioserve.com](http://www.bioserve.com)



**AMERICAS • REAGENTS**  
4 Hartwell Place  
Lexington, MA 02421, USA  
Tel: (617) 245-0000  
Email: [info@stemgent.com](mailto:info@stemgent.com)  
[www.stemgent.com](http://www.stemgent.com)



**ASIA PACIFIC**  
KDX Shin-yokohama381 Bldg9F  
3-8-11, Shin-yokohama, Kohoku-ku,  
Yokohama, Kanagawa 222-0033, Japan  
Tel: +81 45 475 3887  
Email: [info\\_jp@reprocell.com](mailto:info_jp@reprocell.com)  
[www.reprocell.com/en](http://www.reprocell.com/en)



**EUROPE**  
NETPark Incubator  
Thomas Wright Way  
Sedgefield, Co. Durham  
TS21 3FD, UNITED KINGDOM  
Tel: +44 (0)1740 625 266  
Email: [info@reinnervate.com](mailto:info@reinnervate.com)  
[www.reinnervate.com](http://www.reinnervate.com)



**AMERICAS & EUROPE  
HUMAN TISSUE ASSAYS**  
Weipers Centre, Garscube Estate  
Bearsden Road, Glasgow G61 1QH  
United Kingdom  
Tel: +44 (0)141 330 3831  
Email: [info@biopta.com](mailto:info@biopta.com)  
[www.biopta.com](http://www.biopta.com)

## SAFETY DATA SHEET

with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Stemgent, Inc. shall not be held liable for any damage resulting from handling or from contact with the product. See Stemgent, Inc. website for terms and conditions of sale.

Preparation Date  
Version No.  
Prepared by

March 31, 2016  
1.2  
Quality Control

END OF SAFETY DATA SHEET



**AMERICAS • HUMAN TISSUE**  
9000 Virginia Manor Road, Suite 207  
Beltsville, MD 20705, USA  
Tel: (301) 470-3362  
Email: [info@bioserve.com](mailto:info@bioserve.com)  
[www.bioserve.com](http://www.bioserve.com)



**AMERICAS • REAGENTS**  
4 Hartwell Place  
Lexington, MA 02421, USA  
Tel: (617) 245-0000  
Email: [info@stemgent.com](mailto:info@stemgent.com)  
[www.stemgent.com](http://www.stemgent.com)



**ASIA PACIFIC**  
KDX Shin-yokohama381 Bldg9F  
3-8-11, Shin-yokohama, Kohoku-ku,  
Yokohama, Kanagawa 222-0033, Japan  
Tel: +81 45 475 3887  
Email: [info\\_jp@reprocell.com](mailto:info_jp@reprocell.com)  
[www.reprocell.com/en](http://www.reprocell.com/en)



**EUROPE**  
NETPark Incubator  
Thomas Wright Way  
Sedgefield, Co. Durham  
TS21 3FD, UNITED KINGDOM  
Tel: +44 (0)1740 625 266  
Email: [info@reinnervate.com](mailto:info@reinnervate.com)  
[www.reinnervate.com](http://www.reinnervate.com)



**AMERICAS & EUROPE  
HUMAN TISSUE ASSAYS**  
Weipers Centre, Garscube Estate  
Bearsden Road, Glasgow G61 1QH  
United Kingdom  
Tel: +44 (0)141 330 3831  
Email: [info@biopta.com](mailto:info@biopta.com)  
[www.biopta.com](http://www.biopta.com)