


SAFETY DATA SHEET

1. IDENTIFICATION

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|----------------------------|---|
| 1.1. Product Name | Stemolecule™ XAV939 |
| 1.2. Catalog Number | 04-0046 |
| 1.3. Uses and restrictions | For research use only. Not for use in diagnostic or therapeutic applications |
| 1.4. Manufacturer/Supplier | Stemgent®, Inc.
4 Hartwell Place
Lexington, MA 02421 USA
(617) 245-0000 |
| 1.5. In Case of Emergency | <ul style="list-style-type: none"> • For medical emergencies, contact your local emergency center. • For transportation emergencies, contact your local transportation authorities. • For other non-medical or non-environmental emergencies please call (617) 245-0030, 8:00 am-4:00 pm EST, Monday – Friday. |

2. HAZARDS IDENTIFICATION

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| 2.1. Classification | GHS Classification in accordance with 29 CFR 1910 (OSHA HCS) <ul style="list-style-type: none"> • Acute toxicity, Oral (Category 3), H301 • Eye irritation (Category 2A), H319 |
| 2.2. Signal Word | Danger |
| 2.3. Symbol |  |
| 2.4. Hazard Statement(s) | <ul style="list-style-type: none"> • H301 Toxic if swallowed. • H319 Causes serious eye irritation. |
| 2.5. Precautionary Statement(s) | <ul style="list-style-type: none"> • P264 Wash skin thoroughly after handling. • P270 Do not eat, drink or smoke when using this product. • P280 Wear protective gloves/eye protection/face protection. • P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. • P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. • P330 Rinse mouth. • P337 + P313 If eye irritation persists: Get medical advice/attention. • P405 Store locked up. • P501 Dispose of contents/container to an approved waste disposal plant. |
| 2.6. Hazards not otherwise classified (HNOC) or not covered by GHS | None. |

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3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Chemical Name	Stemolecule™ XAV939
3.2. Synonyms	2-(4-(trifluoromethyl)phenyl)-7,8-dihydro-5H-thlopyrano[4,3-d]pyrimidin-4-ol
3.3. Chemical Formula	C ₁₄ H ₁₁ F ₃ N ₂ OS
3.4. Molecular Weight	312.31 g/mol
3.5. CAS Number	284028-89-3

4. FIRST AID MEASURES

4.1. First Aid Instructions	
• General Advice	Move out of exposure area. Consult a physician.
• Eyes	Check for and remove contact lenses immediately and flush thoroughly with water for at least 15 minutes. Call a physician.
• Skin	Immediately flush skin with copious amounts of water. Remove contaminated clothing and shoes and wash before use. Contact a physician.
• Ingestion	If swallowed, wash mouth out with water provided person is conscious. Do not induce vomiting. Loosen tight clothing. Contact a physician.
• 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 and full turnout gear 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. Ensure adequate ventilation.
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| 6.2. Environmental Precautions | Prevent further leakage or spillage if safe to do so. Do not let product enter drain. |
| 6.3. Methods and materials for containment and clean up | Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete. |

7. HANDLING AND STORAGE

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| 7.1 Precautions for safe handling | <ul style="list-style-type: none"> • 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

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| 8.1. Control Parameters | No known occupational exposure limits values. |
| 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"> • Respiratory Protection | Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Where protection from nuisance levels of dusts are desired, use type N99 (US) or type P2 (EU EN 143) particle respirator. If the respirator is the sole means of protection, use a full-face supplied air respirator. |
| <ul style="list-style-type: none"> • Eye Protection | Chemical safety goggles. |
| <ul style="list-style-type: none"> • Skin Protection | Protective gloves and lab coat. |

9. PHYSICAL/CHEMICAL PROPERTIES

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| 9.1. Appearance | White powder. |
| 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. |



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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)	Dimethyl Sulfoxide at 100 mM.
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.
9.19. Explosive properties	No data available.
9.20. Oxidizing properties	No data available.

10. STABILITY/REACTIVITY

10.1. Reactivity	No data available.
10.2. Chemical Stability	This product is stable.
10.3. Possibility of hazardous reactions	No data available.
10.4. Conditions to Avoid	Not available.
10.5. Incompatible materials	Acids and bases.
10.6. Hazardous decomposition products	Hazardous decomposition products formed under fire conditions. Carbon oxides, nitrogen oxides, sulfur oxides, hydrogen fluoride.

11. TOXICOLOGICAL INFORMATION

11.1. Toxicological effects	No data available.
<ul style="list-style-type: none"> • Acute toxicity • Skin corrosion/irritation • Serious eye damage/eye irritation • Respiratory or skin sensitization • Germ cell mutagenicity • Carcinogenicity 	<p>No data available.</p> <ul style="list-style-type: none"> • 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. • ACGIH: No components of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen. • NTP: No components of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen. • OSHA: No components of this product present at levels greater than or



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equal to 0.1% is identified as a carcinogen or potential carcinogen.

- 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.

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 No data available.
- 12.6. Other adverse effects No data available.

13. DISPOSAL CONSIDERATIONS

- 13.1. Disposal Method 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 This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels.
- SARA 302 components Does not contain any components subject to reporting.



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<ul style="list-style-type: none"> • SARA 311/312 Hazards • Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see CFR 61) 	<p>Acute health hazard</p> <p>Does not contain any components subject to reporting.</p>
<p>U.S. State Regulations</p> <ul style="list-style-type: none"> • California Proposition 65 • Massachusetts Right To Know Components • Pennsylvania Right To Know Components • New Jersey Right To Know Components 	<p>Does not contain any components subject to reporting.</p> <p>Does not contain any components subject to reporting.</p> <p>Does not contain any components subject to reporting.</p> <p>Does not contain any components subject to reporting.</p>
<p>WHMIS Hazard Class</p>	<p>Not controlled under WHMIS (Canada).</p>

16. OTHER INFORMATION

<p>Notice</p>	<p>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 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.</p>
<p>Preparation Date</p>	<p>May 2, 2016</p>
<p>Version No.</p>	<p>1.3</p>
<p>Prepared by</p>	<p>Quality Control</p>

END OF SAFETY DATA SHEET



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