SAFETY DATA SHEET

1. IDENTIFICATION

1.1. Product Name
Stemolecule™ PD0325901

1.2. Catalog Number
04-0006, 04-0006-10

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
• For medical emergencies, contact your local emergency center.
• For transportation emergencies, contact your local transportation authorities.
• For other non-medical or environmental emergencies please call (617) 245-0030, 8:00 am-4:00 pm EST, Monday – Friday.

2. HAZARDS IDENTIFICATION

2.1. Classification
GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)
• Acute toxicity, Oral (Category 3), H301.
• Specific target organ toxicity – repeated exposure (Category 2), H373.
• Acute aquatic toxicity (Category 1), H400.
• Chronic aquatic toxicity (Category 1), H410

2.2. Signal Word
Danger.

2.3. Symbol

2.4. Hazard Statement(s)
• H301
Toxic if swallowed.
• H373
May cause damage to organs through prolonged or repeated exposure.
• H410
Very toxic to aquatic life with long lasting effects.

2.5. Precautionary Statement(s)
• P260
Do not breathe dust/fume/gas/mist/vapours/spray.
• P264
Wash skin thoroughly after handling.
• P270
Do not eat, drink, or smoke when using this product.
• P273
Avoid release to the environment.
• P301 + P310 + P330
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Rinse mouth.
• P314
Get medical advice/attention if you feel unwell.
• P391
Collect spillage.
• P405
Store locked up.
• P501
Dispose of contents/container to an approved waste disposal plant.
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2.6. Hazards not otherwise classified (HNOC) or not covered by GHS

None.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Chemical Name
Stemolecule™ PD0325901

3.2. Synonyms
N-[(2R)-2,3-dihydroxypropoxy]-3,4-difluoro-2-[(2-fluoro-4-iodophenyl)amino]-benzamide

3.3. Chemical Formula
C_{16}H_{14}F_{3}IN_{2}O_{4}

3.4. Molecular Weight
482.19 g/mol

3.5. CAS Number
391210-9

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 positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.
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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.

6.2. Environmental Precautions
Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided. 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.

6.3. Methods and materials for containment and clean up

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.

8.2. Appropriate engineering controls
Safety shower and eye bath. Mechanical exhaust required.

8.3. Protection measures and Personal Protective Equipment
- Respiratory Protection
  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. Chemical safety goggles.

- Eye Protection
- Skin Protection
  Protective gloves and lab coat.

9. PHYSICAL/CHEMICAL PROPERTIES
9.1. Appearance
Pale purple 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.
25 mM in Dimethylsulfoxide.
9.15. Partition coefficient: n-
octanol/water
Pow: 3.00; log Pow: 6.16
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.
10.4. Conditions to Avoid
Avoid light and high temperature.
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
• LD50 Oral – Rat – 300 mg/kg
• Inhalation: No data available.
• Dermal: No data available.
• LD50 Intravenous – Rat – 400 mg/kg
• 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.
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- Carcinogenicity
  - 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 equal to 0.1% is identified as a carcinogen or potential carcinogen.

- Reproductive Toxicity
  - Specific target organ toxicity
    - single exposure
  - Specific target organ toxicity
    - repeated exposure
  - 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
- May cause damage to organs through prolonged or repeated exposure.

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
- An environmental hazard cannot be excluded when handled or disposed of improperly. Very toxic to aquatic life with long lasting effects.

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.
- SARA 311/312 Hazards
  Acute Health Hazard
- 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
  Does not contain any components subject to reporting.
- New Jersey Right To Know Components
  Does not contain any components subject to reporting.

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 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.

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1.3

Prepared by
Quality Control

END OF SAFETY DATA SHEET