SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifiers
Chemical name: (1-(5-Hydroxyindole-3-ethylacetamide)-4,7,10-triacetic acid-1,4,7,10-tetraazacyclododecane
Synonym: DO3A-Serotonin
Product Number: C-210
Brand: Macrocyclics
CAS-No.: N/A

1.2 Relevant identified uses of the substance
Identified uses: Laboratory and research chemicals

1.3 Details of the supplier providing the safety data sheet
Company: Macrocyclics
700 Klein Rd.
Plano, TX 75074
USA
Telephone: 469-786-6079
Fax: 469-814-9116

1.4 Emergency telephone number
Emergency Phone #: 469-786-6079

2. HAZARDOUS IDENTIFICATION

2.1 Classification of the compound
GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)
Skin irritation (Category 2), H315
Eye irritation (Category 2A), H319
Specific target organ toxicity – single exposure (Category 3), Respiratory system, H335
For the full text of the H-Statements mentioned in this Section see Section 16

2.2 GHS Label elements, including precautionary statements
Pictogram: 
Signal word: Warning

Hazardous statement(s)
H315: May causes skin irritation
H335: May cause respiratory irritation

Precautionary statement(s)
P261: Avoid breathing dust.
P264: Wash skin thoroughly after handling.
P280: Wear protective gloves/eye protection/face protection.
P302 + P352: IF ON SKIN: Wash with plenty of soap and water.
P304 + P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305 + 351 + P338: IF IN EYES: Rinse with water for several minutes. Remove contacts if present and continue rinsing.
P312: Contact a physician
P332 + P313: If skin irritation persists seek medical attention
P337 + P313: If eye irritation persists seek medical attention
P362: Remove contaminated clothing and wash before reuse
P403 + P233: Store in well-ventilated area. Keep container tightly sealed.
P405: Store in secure location.
P501: Dispose of contents by approved waste management procedures

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS – None

3. COMPOSITION INFORMATION OF INGREDIENTS

3.1 Substances
Synonym: DO3A-Serotonin
Formula: C26H38N6O8·2CF3CO2H
Molecular Weight: 790.7 g/mol
CAS-No: N/A

Hazardous components

<table>
<thead>
<tr>
<th>Component</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-(5-Hydroxyindole-3-ethylacetamide)-4,7,10-triacetic acid-1,4,7,10-tetraazacyclododecane</td>
<td>Skin irrit. 2; Eye Irrit. 2A STOT SE 3; H315, H319, H335</td>
</tr>
</tbody>
</table>

For full text of the H-Statements see Section 16

4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice
Consult physician. Present this safety data sheet to the physician in attendance.

If inhaled
Move person into fresh air. Consult physician.

In case of skin contact
Wash contacted area with soap and water.

In case of eye contact
Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed
Rinse mouth with water and consult a physician.

4.2 Most important symptoms and effects, acute and delayed
The most important known symptoms and effects are described in the labelling (see section 2.2) and/or section 11.

4.3 Indication of any immediate medical attention and special treatment
No data available

5. FIRE FIGHTING MEASURES

5.1 Extinguishing media
Use water spray, alcohol resistant-foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance
Carbon dioxide, nitrogen oxides

5.3 Advice for firefighters
Wear self-contained breathing apparatus for fighting fire if necessary.

5.4 Further information
No data available

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
Use personal protective equipment. Avoid breathing dust, vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe area. For personal protection see section 8.

6.2 Environmental precautions
Do not allow product to enter water drains.

6.3 Methods and materials for containment and clean up
Manage disposal without creating dust. Seep up and deposit in suitable, close container for disposal.

6.4 Reference to other sections
For disposal see section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling
Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust might be formed. For precautions see section 2.2.

7.2 Conditions for safe storage, including possible incompatibilities
Keep container tightly closed in a dry and well-ventilated environment. Storage temperature: 25°C or below.

7.3 Specific end use(s)
Research and development

8. EXPOSURE CONTROL/PERSONAL PROTECTION
8.1 Control parameters
Components with workplace control parameters
Contains no substances with occupational exposure limit values

8.2 Exposure controls

Appropriate engineering controls
Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday

Personal protective equipment
Eye/face protection
Safety glasses with side-shields conforming to government standards such as NIOSH (US) or EN 166(EU).

Skin protection
Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove’s outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

Body protection
Impervious clothing. The type of lab coat or other protective equipment must be selected according the amount of product being handled and the specific laboratory conditions.

Respiratory protection
It is recommended to handle this material in an appropriate chemical fume hood if possible. For small exposures use dust mask or type P95 (US) or P1 (EU EN 143) particle respirator.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

a) Appearance    solid
b) Odor     no data available
c) Odor threshold    no data available
d) pH     no data available
e) Melting/freezing point    no data available
f) Boiling point    no data available
g) Flash point    no data available
h) Evaporation rate    no data available
i) Flammability    no data available
j) Explosive limits    no data available
k) Vapor pressure    no data available
l) Vapor density    no data available
m) Relative density    no data available
o) Partition coefficient    no data available
p) Auto-ignition temperature    no data available
q) Decomposition temperature    no data available
r) Viscosity    no data available
s) Explosive properties    no data available
t) Oxidizing properties    no data available
10. STABILITY DATA

10.1 Reactivity
No data availability

10.2 Chemical stability
Stable under recommended storage conditions

10.3 Possibility of hazardous reactions
No data available

10.4 Conditions to avoid
No data availability

10.5 Incompatible materials
Strong oxidizing agents

10.6 Hazardous decomposition products
No data availability

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity
No data availability

Skin corrosion/irritation
No data availability

Eye damage/eye irritation
No data available

Respiratory or skin sensitization
No data availability

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 probable, possible or confirmed human carcinogen.

OSHA: No components of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen.

Reproductive toxicity
No data availability
Specific target organ toxicity – single exposure
Inhalation – May cause respiratory irritation.

Specific target organ toxicity – repeated exposure
No data available

12. ECOLOGICAL INFORMATION

12.1 Toxicity
No data available

12.2 Persistence and degradability
No data availability

12.3 Bioaccumulative potential
No data availability

12.4 Mobility in soil
No data availability

12.5 Results of PBT and vPvB assessment
No data availability

12.6 Other adverse effects
No data availability

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Product
Contact a licensed professional disposal service to dispose of non-recyclable material

Contaminated packaging and containers
Dispose of as unused product

14. TRANSPORTATION INFORMATION

DOT (US)
Not dangerous goods

IMDG
Not dangerous goods

IATA
Not dangerous goods

15. REGULATORY INFORMATION
SARA 302 Components
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components
SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold reporting levels established by SARA Title III, Section 313.

16. OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3.

Eye Irrit.   Eye irritation
H315   Causes skin irritation.
H319   Causes serious eye irritation.
H335   May cause respiratory irritation.
Skin Irrit.   Skin irritation
STOT SE   Specific target organ toxicity - single exposure

HMIS Rating
Health hazard:    1
Flammability:    0
Physical hazard:   0

NFPA Rating
Health hazard:    1
Fire hazard:    0
Reactivity hazard 0

Further information
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. Macrocyclics shall not be held liable for any damage resulting from handling or from contact with the above product.

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