

## 1. Identification of Substance/ Identification of Company

**Product:** Fmoc-NH-PEG4-Propionic acid

**Catalog #:** LSP314

**Chemical Formula:** C<sub>26</sub>H<sub>33</sub>NO<sub>8</sub>

**Synonyms:** 15-(Fmoc-amino)-4,7,10,13-tetraoxapentadecanoic acid; 15-amino-N-(9-fluorenyl-methoxycarbonyl)-4,7,10,13-tetraoxapentadecanoic acid

**Supplier:** AAPPTec, LLC

6309 Shepherdsville Road

Louisville, Kentucky USA

40228

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## 2. Hazards Identification

**OSHA hazards:** No known OSHA hazards

### Potential Health Effects

**Inhalation:** May be harmful if inhaled. May cause respiratory tract irritation.

**Ingestion:** May be harmful if swallowed.

**Skin Contact:** May be harmful if absorbed through skin. May cause skin irritation.

**Eye contact:** May cause eye irritation.

## 3. Composition/ information on ingredients

**Substance/preparation:** Substance

**Chemical Name:** 15-(Fmoc-amino)-4,7,10,13-tetraoxapentadecanoic acid

**CAS #:** 557756-85-1

**EC #:** Not available

## 4. First Aid Measures

### First Aid Measures

**Inhalation:** If inhaled, move person to fresh air. If not breathing, give artificial respiration.

**Ingestion:** Never give anything by mouth to an unconscious person. Rinse mouth with water.

**Skin Contact:** Wash off with soap and plenty of water.

**Eye Contact:** Check for and remove any contact lenses. Flush eyes with water as a precaution.

### Effects and Symptoms

**Inhalation:** May be harmful if inhaled. May cause respiratory tract irritation.

**Ingestion:** May be harmful if swallowed.

**Skin Contact:** May be harmful if absorbed through skin. May cause skin irritation.

**Eye contact:** May cause eye irritation

**Aggravating conditions:** Repeated or prolonged exposure is not known to aggravate medical condition.

## 5. Fire-fighting Measures

### Flammability of Product

**Flash Point:** No data available

**Ignition Temperature:** No data available

**Extinguishing Media (Small Fire):** Use a carbon dioxide or dry chemical extinguisher.

**Extinguishing Media (Large Fire):** Use water spray, fog, or foam. Do not use water jet.

**Hazardous thermal decomposition products:** Oxides of carbon (CO, CO<sub>2</sub>) and nitrogen (NO, NO<sub>2</sub>, ...).

**Special fire-fighting procedures:** Firefighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

**Protection of fire-fighters:** Use an approved/certified respirator or equivalent.

## 6. Accidental Release Measures

**Personal Precautions:** Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self-contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient, consult a specialist before handling this product.

**Small Spill or Leak:** Use appropriate tools to put spilled material into a convenient waste disposal container.

**Large Spill or Leak:** Use a shovel to put the spilled material into a convenient waste disposal container.

## 7. Handling and Storage

**Handling:** Keep away from heat. Keep away from sources of ignition. Do not breathe dust.

**Storage:** Keep container tightly closed. Store in a dry, well-ventilated area. Opened containers must be resealed carefully and stored upright to prevent leakage.

## 8. Exposure Controls/Personal Protection

**Engineering Measures:** Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume, or mist use ventilation to keep exposure to airborne contaminants below the exposure limit.

**Hygiene Measures:** Wash hands after handling and before eating, smoking, using lavatory, and end of the day.

**Exposure Limits**

**Ingredient Name:** 15-(Fmoc-amino)-4,7,10,13-tetraoxapentadecanoic acid

**Occupational Exposure Limit:** No data available

**Personal Protective Equipment**

**Skin and Body:** Lab coat

**Hands:** Gloves

**Eyes:** Safety glasses

## 9. Physical and Chemical Properties

**Physical State:** Viscous Liquid

**Color:** Colorless to light yellow

**Molecular Weight:** 487.54

**Melting Point:** No data available

**Solubility:** No data available

**Flash Point:** No data available

**Explosive Properties**

Risk of explosion by mechanical impact: No data available

Risk of explosion by static discharge: No data available

## 10. Stability and Reactivity

**Stability:** Stable under recommended storage conditions.

**Conditions to Avoid:** Strong oxidizing reagents

**Hazardous Decomposition Products:** Oxides of carbon (CO, CO<sub>2</sub>) and nitrogen (NO, NO<sub>2</sub>, ...).

## 11. Toxicological Information

**RTECS #:**

**Local Effects**

**Skin irritation:** No data available

**Acute Toxicity:** No data available

**Chronic Toxicity:** No data available

**Other Toxic Effects on Humans:** No data available

**Carcinogenic Effects:** No data available

**Mutagenic Effects:** No data available

**Reproductive Toxicity:** No data available

**Potential Health Effects**

**Inhalation:** May be harmful if inhaled. May cause respiratory tract irritation.

**Ingestion:** May be harmful if swallowed.

**Skin Contact:** May be harmful if absorbed through skin. May cause skin irritation.

**Eye contact:** May cause eye irritation.

## 12. Ecological Information

**Ecotoxicity:** No data available

**Toxicity of the Products of Biodegradation:** This product itself and its degradation products are not toxic.

## 13. Disposal Considerations

**Methods of Disposal,  
Waste Residues,**

**Contaminated Packaging:** Waste must be disposed of in accordance with federal, state and local environmental control regulations.

## 14. Transportation

**International Transport Regulations**

**DOT (US)**

Not hazardous goods

**IMDG**

Not hazardous goods

**IATA**

Not hazardous goods

**Special Provisions for Transport:** Not applicable

## 15. Regulatory Information

**U.S. Federal Regulations**

**OSHA Hazards:** No known OSHA hazards

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

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

**SARA 311/312 Hazards:** No SARA hazards

**State Regulations:**

**Massachusetts Right To Know Components:** No components listed.

**Pennsylvania Right To Know Components:**

15-(Fmoc-amino)-4,7,10,13-tetraoxapentadecanoic acid

CAS No: 557756-85-1

Revision Date:

**New Jersey Right To Know Components:**

15-(Fmoc-amino)-4,7,10,13-tetraoxapentadecanoic acid

CAS No: 557756-85-1

Revision Date:

**California Prop. 65 Components:**

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

**DSL Status:**

This product contains the following components that are not on the Canadian DSL nor NDSL lists.  
15-(Fmoc-amino)-4,7,10,13-tetraoxapentadecanoic acid  
CAS No: 557756-85-1

## 16. Other Information

### Hazardous Material Information System (U.S.A.)

|                     |   |
|---------------------|---|
| Health              | 0 |
| Fire Hazard         | 0 |
| Reactivity          | 0 |
| Personal Protection |   |

### National Fire Protection Association (U.S.A.)



### Notice to Reader

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