



## MATERIAL SAFETY DATA SHEET

PPT1-TPP1 Duplex Assay Kit

### I. Substance and Supplier Identification

<b>Product Name(s):</b>	PPT1-TPP1 Duplex Assay Kit
<b>Product Code(s):</b>	CD1
<b>Other Names:</b>	None
<b>Recommended Uses:</b>	For R&D use only. Not for human or veterinary use.
<b>Supplier:</b>	Enfanos, LLC. 4000 Mason Rd. STE 300 Seattle, WA 98195 Ph: +1 206 717 3515 contact@enfanos.com
<b>In Case of Emergency, Contact:</b>	In the event of a medical emergency, please dial 911.

### 2. Hazards Identification

This product is not classified as hazardous according to the criteria in Regulation (EC) No. 1272/2008 and GHS. Not a hazardous substance or mixture according to EC-Directives 67/548/EEC or 1999/45/EC.

This product is not a dangerous good for transport. Refer to Section 14 for details.

#### Labelling and Precautionary Statements:

This product does not need to be labeled in accordance with EC directives or respective national laws.

<b>Hazard Statement(s):</b>	None
<b>Precautionary Statement(s):</b>	None
<b>Hazard Symbol(s):</b>	None
<b>R-phrases(s):</b>	None
<b>S-phrases(s):</b>	None

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### 3. Composition/Information on Ingredients

#### S/IS Vial Ingredients:

Chemical Name	Molecular Formula	Molecular Mass, g/mol	Classification
4-Methylumbelliferyl-6-thiomyristoyl- $\beta$ -D-glucoside	C <sub>30</sub> H <sub>44</sub> O <sub>8</sub> S	564.73	No hazard
4-Methylumbelliferyl-6-thio- $\beta$ -D-glucoside- <sup>13</sup> C <sub>4</sub>	C <sub>12</sub> <sup>13</sup> C <sub>4</sub> H <sub>18</sub> O <sub>7</sub> S	358.35	No hazard
Octyl $\beta$ -D-Glucoside	C <sub>14</sub> H <sub>28</sub> O <sub>6</sub>	292.37	No hazard
Phe-Ala-Ala-4-[6-(t-butyl formatamino)hexylaminoformyl]benzylamine	C <sub>34</sub> H <sub>50</sub> N <sub>6</sub> O <sub>6</sub>	638.80	No hazard
t-Butyl {6-[4-(aminomethyl)benzamido]hexyl}carbamate-d <sub>9</sub>	C <sub>19</sub> H <sub>22</sub> D <sub>9</sub> N <sub>3</sub> O <sub>3</sub>	358.52	No hazard

#### Buffer Ingredients:

Chemical Name	Molecular Formula	Molecular Mass, g/mol	Classification	%
Sodium Acetate	NaC <sub>2</sub> H <sub>3</sub> O <sub>2</sub>	82.03	Not required	<1%

### 4. First Aid Measures

<b>Eye Contact:</b>	Hold eyes open, flush continuously with water for at least 15 minutes. Seek medical attention if irritation develops and persists.
<b>Skin Contact:</b>	Wash skin with plenty of water, while removing contaminated clothing and shoes. Wash contaminated clothing before re-use. Seek medical attention if skin irritation develops and persists.
<b>Inhalation:</b>	Remove to fresh air. Seek medical attention if symptoms persist.
<b>Ingestion:</b>	DO NOT INDUCE VOMITING. Rinse mouth. If conscious give small quantities of water. Never give anything by mouth to an unconscious person. Seek medical advice. If vomiting occurs, keep head below hips to prevent aspiration to lungs.
<b>Notes to Physician:</b>	Treat symptomatically.

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### 5. Fire-Fighting Measures

**Personal Precautions:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

**Extinguishing Media:** In case of fire, use water spray, dry chemical, carbon dioxide, or alcohol-resistant foam.

### 6. Accidental Release Measures

**General Information:** Use proper personal protective equipment as indicated in Section 8.

**Personal Precautions:** Wear self-contained breathing apparatus, eye protection, and gloves. Keep personal hygiene. Avoid dust formation.

**Environmental Precautions:** Do not let product enter drains.

**Spills/Leaks:** Sweep up and place the material in appropriate container for disposal. Ventilate area, clean up spills, and wash spill site after material pickup is complete, observing precautions in the Protective Equipment section.

### 7. Handling and Storage

**Handling:** Wash hands thoroughly after handling. Remove contaminated clothing and wash before re-use. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.

**Storage:** S/IS Vial: Store at  $<-10^{\circ}\text{C}$  under dry conditions. Keep container tightly closed.

Buffer: Store between  $2-8^{\circ}\text{C}$ . Keep container tightly closed.

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### 8. Exposure Controls/Personal Protection

Do not contain substances with occupational exposure limit values.

#### **Environmental Controls:**

Handwashing facilities should be provided in the work area. For typical conditions of storage and use, natural ventilation should be adequate. In enclosed areas, mechanical ventilation may be required if high volumes of dust are generated.

#### **Personal Protective Equipment:**

- |                                  |   |
|----------------------------------|---|
| <b>Eye Protection:</b>           | Wear appropriate protective eyeglasses, chemical safety goggles or face-shield (min. 8-inch) as described by OSHA's eye and face protection regulations.  |
| <b>Hand Protection:</b>          | Gloves are recommended when handling especially for large quantities. Refer to EU Directive 89/686/EEC and the standard EN 374 derived from it.   |
| <b>Skin and Body Protection:</b> | Use protective clothing when handling large quantities. Remove any contaminated clothing to avoid prolonged contact with the skin. Wash work clothes regularly.   |
| <b>Respiratory Protection:</b>   | Where risk assessment indicates air-purifying respirators are required use a dust mask type N95 (US) or type P1(EN 143) respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Respirators and components must tested and approved under appropriate government standards - NIOSH (US) or CEN (EU). |
| <b>Hygiene Measures:</b>         | Use good working practices. Wash hands and face thoroughly after handling.  |

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### 9. Physical and Chemical Properties

<b>Description:</b>	S/IS vial: White to off-white solid Buffer: Clear liquid		
<b>Odor:</b>	Not determined/ does not apply	<b>Odor Threshold:</b>	Not determined/ does not apply
<b>pH (20°C):</b>	Not determined	<b>Solubility:</b>	Not determined
<b>Melting Point:</b>	Not determined	<b>Boiling Point:</b>	Not determined
<b>Flammability:</b>	Not flammable	<b>Flash Point:</b>	Not applicable
<b>UEL/LEL:</b>	Not applicable	<b>Bulk Density:</b>	Not available
<b>Relative Density:</b>	Not determined	<b>Vapor Density:</b>	Not determined
<b>Vapor Pressure:</b>	Not determined	<b>Viscosity:</b>	Not applicable
<b>Decomposition temp:</b>	Not determined	<b>Autoignition temp:</b>	Not applicable
<b>Octanol/Water Partition Coefficient:</b>	Not applicable	<b>Particle Characteristics:</b>	Not available

### 10. Stability and Reactivity

<b>Stability:</b>	Stable under recommended storage conditions.
<b>Reactivity:</b>	Not expected to be reactive.
<b>Conditions to avoid:</b>	Data not available.
<b>Incompatibility:</b>	Incompatible with strong oxidizing reagents.
<b>Hazardous Polymerization:</b>	Data not available.
<b>Hazardous Decomposition:</b>	May form toxic fumes containing oxides of carbon, nitrogen, and sulfur.

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### 11. Toxicological Information

<b>RTCS #:</b>	Data not available.
<b>Acute toxicity:</b>	Data not available.
<b>Skin corrosion/irritation:</b>	Data not available.
<b>Serious eye damage/eye irritation:</b>	Data not available.
<b>Respiratory or skin sensitization:</b>	Data not available.
<b>Germ cell mutagenicity:</b>	Data not available.
<b>Carcinogenicity (IARC):</b>	To the best of our knowledge, this material has not been identified as possible or potential human carcinogen by IARC.
<b>Reproductive Toxicity:</b>	Data not available.
<b>Specific target organ toxicity – single exposure:</b>	Data not available.
<b>Specific target organ toxicity – repeated exposure:</b>	Data not available.
<b>Aspiration hazard:</b>	Data not available.
<b>Signs and symptoms of exposure:</b>	To the best of our knowledge, the chemical, physical and toxicological properties of this material have not been thoroughly investigated.
<b>Potential health effects:</b>	Eye: May cause eye irritation. Skin: May be harmful by skin absorption. May cause skin irritation. Ingestion: May be harmful if swallowed. Inhalation: May be harmful if inhaled. May cause respiratory irritation. Chronic: No information found.

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### 12. Ecological Information

Data not available.

### 13. Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations. Contact a licensed professional waste disposal service to dispose of this material.

### 14. Transport Information

#### **ADR/RID**

Not classified as hazardous for transport.

#### **IMDG**

Not classified as hazardous for transport.

#### **IATA**

Not classified as hazardous for transport.

### 15. Regulatory Information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

### 16. Additional Information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process unless specified in the text.