

## Safety Data Sheet (SDS)

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Catalog Code Number:** 3229-v  
**Product Name:** Nma-Ile-His-Pro-Phe-His-Leu-Val-Ile-His-Thr-Lys(Dnp)-D-Arg-D-Arg-NH<sub>2</sub>  
**Supplier's Name:** Peptide Institute, Inc.  
**Address:** 7-2-9 Saito-Asagi, Ibaraki-Shi, Osaka 567-0085, Japan  
**Phone Number:** 81-72-643-4411  
**Fax Number:** 81-72-643-4422  
**Creation Date:** September 5, 2013  
**Revised:** March 28, 2019 (ver. 3)

### 2. HAZARDS IDENTIFICATION

**Classification of the substance or mixture**

**GHS classification** Not a hazardous substance

**Other hazards:** The chemical, physical and toxicological properties of this product have not been thoroughly investigated. Exercise due care.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Single Substance or Mixture:** Single Substance

**Common Chemical Name:** [2-(Methylamino)benzoyl]-L-isoleucyl-L-histidyl-L-prolyl-L-phenylalanyl-L-histidyl-L-leucyl-L-valyl-L-isoleucyl-L-histidyl-L-threonyl-[N<sup>ε</sup>-(2,4-dinitrophenyl)-L-lysyl]-D-arginyl-D-arginine amide (Trifluoroacetate Form)

**Molecular Formula:** C<sub>91</sub>H<sub>134</sub>N<sub>30</sub>O<sub>19</sub> (M.W. 1952.2)

**Product Description:** Fluorescence-Quenching Substrate for Human Renin

**CAS Registry Number:** -

**EINECS No.:** -

**UN No. & Hazard Class:** -

### 4. FIRST AID MEASURES

**Inhalation:** If inhaled, remove person to fresh air and keep comfortable for breathing. Wash your mouth and nasal cavity thoroughly with clean water and get medical attention.

**Skin contact:** In case of skin contact, wash with plenty of water. Call a doctor, if you feel unwell.

**Eye contact:** In case of contact with eyes, wash with plenty of water. Call a doctor, if you feel unwell.

**Ingestion:** If swallowed, rinse mouth. Call a doctor, if you feel unwell.

### 5. FIRE FIGHTING MEASURES

**Extinguishing media:** Water spray, carbon dioxide, dry chemical powder, or appropriate form.

**Special extinguishing method:** Complies with fire extinguishing method in normal fire.

**Specific hazards arising from the chemical product:**

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures:**

Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves.

**Environmental precautions:**

To be careful not discharged to the environment without being properly handled waste water contaminated.

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## Methods and materials for contaminant and methods and materials for cleaning up:

Sweep up, place in a bag and hold for waste disposal. Avoid raising dust.

## 7. HANDLING AND STORAGE

**Handling:** Avoid inhalation. Avoid contact with eyes, skin and clothing.

**Storage:** Keep container tightly closed. Store in a cool dry place. Recommended Storage -20 °C.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering controls:** No data available

**Exposure limits:** No data available

**Personal protective equipment:**

Wear appropriate respirator, chemical-resistant gloves, safety goggles, other protective clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance and Odor:** Yellow amorphous powder

**Reactivity in Water:** No reactivity

**Solubility:** Soluble in H<sub>2</sub>O or DMSO

## 10. STABILITY AND REACTIVITY

**Stability:** No data available

**Reactivity:** No data available

## 11. TOXICOLOGICAL INFORMATION

**Acute toxicity:** No data available

**Skin irritation/corrosion:** No data available

**Serious eye damage/ irritation:** No data available

**Respiratory or skin sensitization:** No data available

**Reproductive cell mutagenicity:** No data available

**Carcinogenicity:** No data available

**Reproductive toxicity:** No data available

**STOT-single exposure:** No data available

**STOT-repeated exposure:** No data available

**Aspiration hazard:** No data available

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available

**Persistence and degradability:** No data available

**Bioaccumulative potential:** No data available

**Mobility in soil:** No data available

## 13. DISPOSAL CONSIDERATIONS

Observe all federal, state and local environmental regulations.

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

## 14. TRANSPORT INFORMATION

**UN number and UN classification:** This material is not classified as hazardous goods.

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## 15. REGULATORY INFORMATION

Not applicable.

Caution: The chemical, physical and toxicological properties of this product have not been thoroughly investigated. Exercise due care.

## 16. OTHER INFORMATION

**Disclaimer:** NOT FOR USE IN HUMANS. For R&D use only. Not for drug, household or other uses.

**Reference:**

1. JCIA: Japan Chemical Industry Association GHS support Guidelines (June, 2012)
2. JIS Z7253:2012 Hazard communication of chemicals based on GHS-Labeling and Safety Data Sheet (SDS)
3. NITE: National Institute of Technology and Evaluation (JAPAN) web site

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