

IDENTITY DSP Rapid Kit

1. Chemical Product and Company Identification

Product Name: DSP Rapid Kit

Manufacturer: Tropical Technology Center Ltd.

5-1 Suzaki Uruma Okinawa,

904-2234, Japan

Telephone number: +81-98-982-1100

2. Composition / Information on Ingredients

<Chemical Name>

(1) Okadaic acid standard:

Okadaic acid ①

(2) Sample Buffer ;

Tris buffer

(3) 1.25N NaOH solution

NaOH ② 4.8%

(4) 1.25N HCl solution

HCl ③ 4.5%

(5) PP2A Buffer A

(6) PP2A Buffer B

(7) PP2A stock solution

(8) Substrate Buffer

(9) Substrate Tablet (p-NPP:p-Nitrophenyl Phosphate tablet)

(10) 96-well plate and Adhesive Film

<Formula and Molecular Weight (CAS No.)>

① C₄₄H₆₈O₁: 805.02 (78111-17-8)

② NaOH: 40.00 (1310-73-2)

③ HCl: 36.46 (7647-01-0)

3. Hazard Identification

Very toxic by inhalation, in contact with skin and if swallowed.

Causes eye and skin irritation.

May causes gastrointestinal trouble.

4. First Aid Measures

Wash off immediately with soap and plenty of water.

Inhalation: Move victim to fresh air. If breathing is difficult, give oxygen. If breathing has stopped, administer artificial respiration. If irritation persists, transport to a hospital immediately.

Skin Contact: Remove contaminated clothes and shoes and wash skin with soap and plenty of water or shower. If irritation persists, transport to a hospital immediately.

Eye Contact: Immediately flush eyes with flooding amounts of running water for at least 15 minutes. If irritation persists, transport to a hospital immediately.

Swallowing: If swallowed, wash out mouth with water provided person is conscious. If irritation persists, transport to a hospital immediately.

5. Fire Fighting Measures

Personal precautions: Carbon dioxide, foam, dry chemical powder, water

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

6. Accidental Release Measures

Appropriate precautions to minimize direct contact with skin and eyes.

7. Handling and Storage

Research use only.

Handling: Avoid inhalation. Avoid contact with skin and eyes.

Storage: Store at -20°C

8. Exposure Controls/Personal Protection

Engineering controls: Safety shower and eye bath and mechanical exhaust required.

Personal Protection

Hand protection: Chemical resistant gloves

Eye protection: Safety goggles

Skin protection: Protective clothing

9. Physical and Chemical Properties

Appearance: (1) ~ (8) Colorless liquid

(9) Tablet

(10) Plate and film

Odor: (1) ~ (4), (6) Odorless

(5), (7), (8) Characteristic odor

pH: not available

Boiling Point: not available

Melting Point: not available

Decomposition Temperature: not available

Explosive Limits: not available

Vapor Pressure: not available

Solubility; water (1)~(10) not available

10. Stability and Reactivity

Condition to avoid: Sunlight, heat, high temperature, sparks, static electrical charge,
other ignition sources

Hazardous polymerization: Will not occur.

11. Toxicological information

Acute Toxicity Data: ① LD50 192 μ g/kg (ipg./Mouse)

(2) ~ (10) not available

Irritation Data: (1) ~ (10) not available

Reproductive Effects Data: not available

12. Ecological Information

Biodegradability: not available

Bioaccumulation Potential: not available

Aquatic Toxicity: not available

Other information: not available

13. Disposal consideration

Contact country, local or state environmental agency for specific rules.

14. Transport information

IATA

Proper Shipping name: Toxins, extracted from living sources, solid, n.o.s.
(Okadaic acid ①)

Class or Division Toxic substances. (Division 6.1) (P.G.I)

UN or ID No.: UN3462

Department of Transportation

Proper Shipping name: Toxins, extracted from living sources, solid, n.o.s..

Class or Division Toxic substances. (Division 6.1)

UN or ID No.: UN3462

15. Regulatory information

US Regulation

① EPA : CERCLA RQ =Not listed

EPCRA TPQ =Not listed

OSHA: Not listed

TSCA: Use of this product must be restricted to research or analysis for the
development of a product in accordance with the Act.

② EPA : CERCLA RQ =1000lb

EPCRA TPQ= Not listed

OSHA : Not listed

③ EPA : CERCLA RQ =5000lb

EPCRA TPQ= Not listed

OSHA : Not listed

EU Regulation

① Symbol: T+

R-phrases : 26/27/28-40

S-Phrases : 36/37/39-45

EC index No.: Not listed

② S Symbol: C

R-phrases : 35

S-Phrases : 26-37/39-45

EC index No.: 011-002-00-6

③ S Symbol: T,C

R-phrases : 23-35

S-Phrases : 9-26-36/37/39-45

EC index No.: 017-002-00-2

16. Other information

- *The description of this datasheet is based on our present knowledge and general information about chemical reagents, but shall not guarantee for the chemical properties and the evaluation of danger and harmfulness on chemical reagents.
- *The PP2A Stock solution of this kit might contain a small amount of recombinant Baculovirus because of manufacturing method.
- *Instructions on chemical reagents are intended for the general handling, and use of the product is at the user's own risk. Tropical Technology Center Ltd. shall not be liable for any damages by handling the product.