

4,5-Dihydro-2-methoxy-1H-imidazole-4,5-d4: sc-210176



The Power to Question

MATERIAL SAFETY DATA SHEET

Supplier: Santa Cruz Biotechnology, Inc.
2145 Delaware Avenue
Santa Cruz, California 95060
800.457.3801 or 831.457.3800

Emergency: ChemWatch
Within the US & Canada: 877-715-9305
Outside the US & Canada: +800 2436 2255
(1-800-CHEMCALL) or call +613 9573 3112

1. Identification of substance:

Product name: **4,5-Dihydro-2-methoxy-1H-imidazole-4,5-d4**
Catalog number: **sc-210176**

2. Physical and chemical properties:

Appearance: **liquid** Weight: **104.14**
CAS Number: **402788-68-5** Formula: **C₄H₄D₄N₂O**

TO BE USED FOR RESEARCH PURPOSES ONLY. NOT FOR DRUG OR CLINICAL USE IN HUMANS OR FOOD ADDITIVE USE

3. Handling and storage

- Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Wear suitable protective clothing. If you feel unwell, seek medical attention and show the label when possible. Avoid contact with skin and eyes.
- Keep container tightly closed. Keep container in a cool, well-ventilated area.
Store at -20°C.

4. Exposure controls/Personal protection

- 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.
- Wash hands after handling compounds and before eating, smoking, using lavatory, and at the end of day.

5. Personal protective equipment

- Lab coat.
- Safety glasses.



6. Stability and Reactivity

- Stability:**
The product is stable.
- Hazardous Decomposition Products:**
These products are carbon oxides (CO, CO₂), nitrogen oxides (NO, NO₂...), sulfur oxides (SO₂, SO₃...).
- Material to avoid:**
Not available.

7. Hazards identification

- Human health hazards:**
Possible irritant.
- Physical/chemical hazards:**
Not applicable.

8. First-aid measures

- In case of contact with eyes:** Rinse immediately with plenty of water and seek medical advice. Wear suitable gloves and eye/face protection.
- In cases of skin contact:** Wash with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes and wash before wearing. In case of eye contact, flush with copious amounts of water for at least 15 minutes.
- In cases of inhalation:** Remove to fresh air and monitor breathing. If breathing becomes difficult, give oxygen. If breathing stops, give artificial respiration.
- In cases of ingestion:** If swallowed, rinse mouth out with water, contact local poison centre and call a physician.

9. Accidental release measures

- Personal precautions:** Avoid breathing dust. Ensure adequate ventilation. Evacuate personnel to safe areas.
- Spill and Leak:** Use appropriate tools to put the spilled solid in a convenient waste disposal container.

10. Toxicological information

- To the best of our knowledge, the toxicological properties of this product have not been thoroughly investigated.

11. Fire-Fighting Measures

- Flammability of the Product:**
May be combustible at high temperature.
- Special protective equipment for fire-fighters**
Wear self contained breathing apparatus for fire fighting if necessary.

12. Transport Information

- DOT (US)**
Not dangerous goods
- IMDG**
Not dangerous goods
- IATA**
Not dangerous goods

13. Ecological information

- Ecotoxicological effects:**
Not available
- Other information:**
The products of degradation are more toxic than the product itself.

14. Disposal consideration

- Arrange for the immediate collection of material by a licensed waste disposal contractor. Observe all federal, state, and local environmental regulations

15. Regulations

- Product related hazard informations:**
This product is not classified according to the EU regulations.
- Safety phrases:**
Keep away from food, drink and animal feedingstuffs.
Wear suitable protective clothing.
If swallowed, seek medical advice immediately and show this container or label.

16. Other

The above information is believed to be correct but does not purport to be complete and should be used only as a guide. The burden of safe use of this material rests entirely with the user.