

1. Chemical Identification

Catalog Number: N-1059
Chemical Name: 3'-O-Methyluridine-5'-Triphosphate
Chemical Family: Nucleotide triphosphate
Date Prepared: 6/16/10

2. Composition/Ingredients

CAS number: Custom synthesized compound. No CAS Number.
Molecular Formula: $C_{10}H_{17}N_2O_{15}P_3$
Components: Single compound in distilled H_2O

3. Physical and Chemical Properties

Appearance: Clear Solution
Percent Purity: NA
Boiling Point: NA
Melting Point: NA
Freezing Point: NA
pH: NA
Solubility: H_2O soluble
Vapor Density: NA
Vapor Pressure: NA

4. Reactivity

Stability: Stable
Incompatibility: NA
Hazardous Decomposition Components: NA

5. Exposure Controls/Employee Protection

Respiratory Protection: None needed
Ventilation: General ventilation
Protective Gloves: General lab safe gloves
Eye Protection: Use general eye protection-goggles
Handling and Storage: Wear appropriate protective clothing and gloves. Store in cold.

6. Hazards Identification

Medical Conditions Aggravated: NA
Primary Routes of Entry: Ingestion
PEL: NA
TLV: NA
LD50: NA

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| Carcinogenicity: | NA |
| Toxicity: | NA |
| RTECS #: | NA |
| Acute Effects: | NA |
| Chronic Effects: | NA |
| Target Organs: | NA |

7. **First Aid Measures**

Eyes: Immediately flush eyes with copious amounts of water for at least 15 minutes.
Skin: Immediately wash skin with soap and copious amounts of water.
Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
Ingestion: If swallowed, wash out mouth with water provided person is conscious. Call a physician.
Other: Wash contaminated clothing before re-use.

8. **Fire Fighting Measures**

Upper Flammable Limit: NA
Lower Flammable Limit: NA
Upper Explosion Limit: NA
Lower Explosion Limit: NA
Flashpoint: NA
Autoignition Temperature: NA
Fire Extinguishing Media: Water spray, carbon dioxide, dry chemical powder, or appropriate foam.
Unusual Fire/Explosion Data: NA

9. **Accidental Release**

Absorb on neutral material. Wash area thoroughly.

10. **Handling and Storage**

Refer to section 5.

11. **Waste Disposal**

Dispose according to federal and state laws.

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