#9950 MSDS

Material Safety Data Sheet (MSDS) for Trichostatin A (TSA)

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I. Identification

Product name: Trichostatin A

Synonyms: [R-(E,E)]-7-[4-(Dimethylamino)phenyl]-N-hydroxy-4,6-dimethyl-7-oxo-2,4-heptadienamide

II. Ingredients

Trichostatin A

CAS # 58880-19-6

Formula: C_{17} H_{22} N_2 O_3

Molecular weight: 302.4 g/mol

III. Physical Data

To the best of our knowledge the physical properties of this product have not been thoroughly investigated.

Material is a solid.

Melting Point: Not available.

Solubility: Soluble in DMSO and ethanol.

Appearance: Lyophilized powder.

IV. Fire and Explosion Hazard Data

Extinguishing media: Carbon dioxide, dry chemical, water spray or foam.

Special fire fighting procedures: If involved in fire, don NIOSH/MSHA approved self contained breathing apparatus, flame/chemical resistant.

Unusual fire and explosion hazards: This product can emit toxic fumes under fire conditions.

V. Health Hazard Data

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

Acute effects of overexposure: May cause skin, eye and upper respiratory irritation. May be harmful if swallowed, inhaled or absorbed through skin. May cause headache, dizziness or allergic skin reaction.

Chronic effects of overexposure: May be harmful to central nervous system, kidneys, liver, gastrointestinal system, skeletal muscle and cardiovascular system.

Emergency and First Aid Procedures

Swallowing—If swallowed, wash mouth out with water and call a physician.

Skin—If skin contact occurs, immediately wash skin with soap and water.

Inhalation—If inhaled, remove to fresh air. If not breathing, perform CPR and call a physician.

Eyes—If eye contact occurs, flush eyes with water for at least 15 minutes. Assure adequate flushing by separating eyelids with fingers. Consult a physician.

VI. Reactivity Data

Stability: Stable.

Incompatibility/Materials to avoid: Oxidizing agents, direct sunlight, heat.

Combustion/Decomposition products: Carbon monoxide, carbon dioxide and nitrogen oxides.

Hazardous polymerization: Will not occur.

VII. Spill or Leak Procedures

Wear protective gloves, lab coat and safety glasses. Sweep up the material, then wash down the spill site and ventilate the area. Place all waste and contaminated materials in an appropriate waste container and dispose of in accordance with local, state and federal regulations.

Waste disposal method: Add waste to a combustible solvent and burn in an EPA-licensed chemical incinerator equipped with an afterburner and scrubber.

VIII. Handling and Storage

Handling: Avoid contact with skin, eyes and clothing. Protective gloves, lab coat and safety glasses should be worn when handling this product.

Storage: Store at or below –20°C.

IX. Exposure Control/Personal Protection Information

Wear protective gloves, safety glasses and lab coat when working with this product. Work should be performed in a chemical fume hood. An eyewash station and safety shower should be in proximity to the work area. Please dispose of all waste in accordance with federal, state and local regulations.

This product is sold in small quantities for biological research. No other use is intended, and any other use may involve substantial hazards. The user of this product should be familiar with the toxicology of organic chemicals and well trained in good laboratory habits.

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide for experienced personnel. Cell Signaling Technology, Inc. shall not be held liable to any damage resulting from the handling of or from contact with the above product. The burden of safe use of this material rests entirely with the user.