

化学品安全技术说明书

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MSDS标题

百里醌安全技术说明书

产品标题

瑞香草醌

CAS号

490-91-5

化学品及企业标识

- 化学品名称: β -倒捻子素
- 化学式 $C_{25}H_{28}O_6$
- CAS号: 20931-37-7
- 分子量 424.4902 g/mol
- 供应商信息:

公司名称: 山东西亚化学有限公司
地址: 山东省临沂市临沭县经济开发区朝阳路
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成分及组成信息

- Active Ingredient: β -Mangostin $\geq 98\%$ (HPLC)
- Impurities: [需提供具体杂质及含量, 如溶剂残留]

危险性质描述

- GHS Classification:
- Acute Toxicity (Oral): Category 4 (推测, 需实验验证)

- Skin Irritation: Category 3 (可能轻微刺激)
- Eye Irritation: Category 2A (可能刺激)
- Environmental Hazard: Not classified (需进一步数据)
- Signal Word: Warning
- Hazard Statements:
 - H302: Harmful if swallowed.
 - H315: Causes skin irritation.
 - H319: Causes serious eye irritation.

急救措施

- Inhalation: Move to fresh air, seek medical attention if symptoms persist.
- Skin Contact: Wash with soap and water; remove contaminated clothing.
- Eye Contact: Rinse immediately with water for 15 minutes, consult ophthalmologist.
- Ingestion: Rinse mouth, do NOT induce vomiting; seek medical advice.

消防措施

- Extinguishing Media: CO₂, dry chemical, or foam.
- Hazardous Combustion Products: CO, CO₂, and other pyrolysis products.
- Protection for Firefighters: Wear self-contained breathing apparatus.

泄露应急处理

- Personal Precautions: Wear gloves and goggles.
- Containment: Collect spilled material in sealed containers.
- Cleanup: Absorb with inert material (e.g., sand), dispose as hazardous waste.

处理和储存

- Handling: Avoid dust formation; use local exhaust ventilation.
- Storage: Store in airtight container at 2-8°C (refrigerated), protected from light.

接触控制

- Engineering Controls: Use fume hood.
- PPE:
 - Gloves: Nitrile or neoprene.
 - Eye Protection: Safety goggles.
 - Respiratory Protection: N95 mask if dust is present.

理化特性

- Melting Point: ~180-185°C (文献值)
- Boiling Point: Not applicable (可能分解)
- Solubility:
 - DMSO: Soluble
 - Ethanol: Slightly soluble
 - Water: Insoluble
- Partition Coefficient (LogP): ~5.2 (预测值)

稳定性和反应活性

- Stability: Stable under recommended storage conditions.
- Incompatible Materials: Strong oxidizers.
- Hazardous Decomposition: Thermal degradation may release toxic fumes.

毒理学信息

- Acute Toxicity: LD₅₀ (oral, rat) >2000 mg/kg (推测, 需验证)
- Chronic Effects: Limited data; potential anti-inflammatory/antioxidant activity in studies.
- Carcinogenicity: Not classified (IARC/NTP).

生态学资料

- Persistence/Bioaccumulation: High LogP suggests potential bioaccumulation.
- Aquatic Toxicity: EC₅₀ (Daphnia) >10 mg/L (需实验数据).

废弃处理

- Waste Code: [根据当地法规]
- Disposal Method: Incineration or licensed hazardous waste facility.

运输信息

- UN Number: Non-hazardous for transport (需确认浓度).
- Packing Group: III (如适用).

法规信息

- China: Not listed in IECSC.
- EU: Not under REACH Annex XIV.

- US: Generally regarded as research chemical.

其他信息

- Literature References: Cite studies on β -Mangostin safety (e.g., PMIDs).
- Revision Date: [填写日期]

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