

# Safety Data Sheet

## SAFETY DATA SHEET - LC LABORATORIES REVISION DATE: JULY 1, 2019

### SECTION 1. IDENTIFICATION:

Trade name: Alvocidib, Hydrochloride Salt

Product Number: [A-3499](#)

Manufacturer/Supplier:

LC Laboratories

165 New Boston Street

Woburn, MA 01801 USA

1-781-937-0777 Fax: 1-781-938-5420

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### SECTION 2. HAZARD(S) IDENTIFICATION:

Hazard Description: Harmful

RTECS Substance category: Mutagen; Human Data

Harmful if swallowed

May be harmful if inhaled or by skin absorption

Exposure may result in fatigue, diarrhea, nausea, vomiting, neutropenia (type of reduced white blood cell count), anorexia (decreased appetite), hypotension (low blood pressure), edema (fluid retention), and inflammation

May cause irritation of the skin, eyes, mucous membranes

Signal Word: Warning

#### GHS Hazard Statements:

H302+312+332 - Harmful if swallowed, in contact with skin or if inhaled

#### GHS Precautionary Statements:

P2562 - Do not get in eyes, on skin or on clothing

WARNING: For Laboratory Research Use Only



### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS:

Chemical Name: (-)-2-(2-Chlorophenyl)-5,7-dihydroxy-8-[(3*S*,4*R*)-3-hydroxy-1-methyl-4-piperidiny]-4*H*-1-benzopyran-4-one Hydrochloride

Synonyms: CPB, DB03496, Flavo, Flavopiridol, HL-275, HMR-1275, L86-8275, LS-39494, MDL 107,826A

Hazardous Ingredient: Alvocidib, Hydrochloride Salt

CAS Registry Number: 131740-09-5

Molecular Weight: 438.30

Molecular Formula: C<sub>21</sub>H<sub>20</sub>ClNO<sub>5</sub>•HCl

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#### **SECTION 4. FIRST-AID MEASURES:**

After Inhalation: If inhaled, remove to fresh air; if breathing is difficult, give oxygen; if breathing stops, give artificial respiration

After skin contact: flush with copious amounts of water; remove contaminated clothing and shoes; call a physician

After eye contact: check for and remove contact lenses; flush with copious amounts of water; assure adequate flushing by separating the eyelids with fingers; call a physician

After swallowing: if swallowed, wash out mouth with copious amounts of water; call a physician

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#### **SECTION 5. FIRE-FIGHTING MEASURES:**

Suitable extinguishing agents: water spray, carbon dioxide, dry chemical powder or foam

Protective equipment: wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes

Unusual fire hazard: may emit toxic fumes under fire conditions such as carbon monoxide, etc.

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#### **SECTION 6. ACCIDENTAL RELEASE MEASURES:**

Person-related safety precautions: cordon off area of spill; wear self-contained breathing apparatus, protective clothing and heavy rubber gloves

Measures for cleaning/collecting: absorb solutions with finely- powdered liquid-binding material (diatomite, universal binders); decontaminate surfaces and equipment by scrubbing with alcohol; dispose of contaminated material according to Section 13

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#### **SECTION 7. HANDLING AND STORAGE:**

Information for safe handling: avoid contact with skin, eyes and clothing; material may be an irritant

Storage: store solid and solutions at -20 °C

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#### **SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION:**

Personal protective equipment as follows:

Breathing equipment: NIOSH/MSHA-approved respirator

Protection of hands: handle with Nitrile rubber gloves with minimum thickness of 0.11 mm (4.3 mil). This recommendation should not be interpreted as offering an approval for any specific use conditions. Please review this recommendation with a safety officer to evaluate if it is appropriate for the anticipated use.

Eye protection: chemical safety goggles

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#### **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES:**

Form: crystalline solid; granular or powder

Color:  
Odor:  
Melting point/Melting range: not determined  
Danger of explosion: none  
Solubility in / Miscibility with water: not tested  
Solvent content:  
Organic solvents: soluble in DMSO

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#### **SECTION 10. STABILITY AND REACTIVITY:**

Stability: avoid acids and bases  
Thermal decomposition / conditions to be avoided: protect from light and heat  
Dangerous products of decomposition: thermal decomposition may produce toxic gases such as carbon monoxide and carbon dioxide, and nitrogen oxides

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#### **SECTION 11. TOXICOLOGICAL INFORMATION:**

RTECS #: DJ2978830  
Acute toxicity: intravenous toxicity (TDLo): 3.75-45.5 mg/kg (human) - toxicity data applies to the free base form of this compound  
Primary irritant effect:  
On the skin: may cause skin irritation; may be harmful if absorbed through the skin  
On the eye: may cause eye irritation  
Inhalation: may cause respiratory tract irritation; may be harmful if inhaled  
Ingestion: harmful if swallowed

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#### **SECTION 12. ECOLOGICAL INFORMATION:**

General notes: no data available  
Treat as potentially toxic if released into the environment

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#### **SECTION 13. DISPOSAL CONSIDERATIONS:**

Dispose of in accordance with prevailing country, federal, state and local regulations

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#### **SECTION 14. TRANSPORT INFORMATION:**

DOT:  
Proper shipping name: none  
Non-Hazardous for transport: this substance is considered to be non-hazardous for transport  
IATA class:  
Proper shipping name: none  
Non-Hazardous for transport: this substance is considered to be non-hazardous for transport

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**SECTION 15. REGULATORY INFORMATION:**

Code letter and hazard designation of product:

Xn: Harmful

EU Risk And Safety phrases:

S22: Do not breathe dust

S24/25: Avoid contact with skin and eyes

S36/37/39: Wear suitable protective clothing, gloves and eye/face protection

S45: In case of accident or if you feel unwell, seek medical advice immediately  
(show the label where possible)

R22: Harmful if swallowed

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**SECTION 16. OTHER INFORMATION:**

The above information is believed to be correct based on our present knowledge but does not purport to be complete. For research use only by trained personnel. The burden of safe use of this material rests entirely with the user. LC Laboratories disclaims all liability

Reviewed: July 1, 2019