

Nelfinavir, Methanesulfonate Salt

Cat#: orb303993 (MSDS)

SECTION 1. IDENTIFICATION:

Trade name: Nelfinavir, Methanesulfonate Salt

SECTION 2. HAZARD(S) IDENTIFICATION:

Hazard Description: pharmaceutically active substance

RTECS Substance category: Tumorigen; Drug

Harmful if swallowed or inhaled

May be harmful if absorbed through the skin

Ingestion may result in flatulence, diarrhea, abdominal pain, fatigue, urination, rash, stomatitis (inflammation and ulcer formation in the mouth), hepatitis, nephrolithiasis (kidney stone), arthralgia (joint pain), leukopenia (low white blood cell count), pancreatitis, allergic reactions, and changes in body fat (such as increased fat in the upper back and stomach areas, decreased fat in the arms and legs)

Can cause mild irritation of the skin and eyes

Exposure may cause irritation of the mucous membranes and upper respiratory tract

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: (3*S*,4*aS*,8*aS*)-*N*-(1,1-Dimethylethyl)decahydro-2-[(2*R*,3*R*)-2-hydroxy-3-[(3-hydroxy-2-methylbenzoyl)amino]-4-(phenylthio)butyl]-3-isoquinolinecarboxamide Methanesulfonate

Synonyms: AG-1343, Nelfin, Nelfinavir mesilate, Nelfinavir mesylate, Nelfinivir, Viracept

Hazardous Ingredient: Nelfinavir, Methanesulfonate Salt

CAS Registry Number: 159989-65-8

Molecular Weight: 663.89

Molecular Formula: C₃₂H₄₅N₃O₄S.CH₄O₃S

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

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.

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

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

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

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES:

Form: crystalline solid; granular or powder

Color:

Odor:

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

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

SECTION 11. TOXICOLOGICAL INFORMATION:

RTECS #: NW6995333
Acute toxicity: oral toxicity (LD50): >500 mg/kg (mouse), >500 mg/kg (rat)
Primary irritant effect:
On the skin: mild irritant; may be harmful if absorbed through the skin
On the eye: mild irritant
Inhalation: harmful if inhaled; may cause respiratory tract irritation
Ingestion: harmful if swallowed

SECTION 12. ECOLOGICAL INFORMATION:

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

SECTION 13. DISPOSAL CONSIDERATIONS:

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

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

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

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S28: After contact with skin, wash immediately with plenty of water

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)

R20/22: Harmful by inhalation and if swallowed

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