

Material Safety Data Sheet

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Section 1 - Product and Company Information

Product Name

Product Number

Brand

Company Street Address

City, State, Zip, Country Technical Phone:

Sigma-Aldrich 3050 Spruce Street SAINT LOUIS, MO 63103 US

Ketanserin tartrate salt, > 97%

800-325-5832 800-325-5052

Sigma Chemical

Emergency Phone:

314-776-6555

Section 2 - Composition/Information on Ingredient

Substance Name

CAS#

SARA 313

EC no

KETANSERIN TARTRATE

83846-83-7

281-062-8 No

Annex | Index Number

C22H22FN3O3.C4H6O6

Formula Synonyms

3-(2-(4-(p-Fluorobenzoyl)-1-pipendinyl)ethyl)-2,4(1H,3H)-quinazolinedione L-tartrate, Ketanserin tartrate, KJK-945, R 49945R 41458 3-[2-[4-(4-FLUOROBENZOYL)-1-PIPERIDINYL]ETHYL]-2,4-

(1H,3H)QUINAZOLINEDIONE TARTRATE

Section 3 - Hazards Identification

Emergency Overview

Toxic if swallowed.

Target organ(s): Nerves_Smooth muscle_

HMIS Rating

Health: 2*

Flammability: 0

Reactivity: 0

NFPA Rating

Health: 2

Flammability: 0

Reactivity: 0

*additional chronic hazards present

For additional information on toxicity, please refer to Section 11.

Section 4 - First Aid Measures

Oral Exposure

If swallowed, wash out mouth with water provided person is conscious. Call a physician immediately.

If inhaled, remove to fresh air, If not breathing give artificial respiration, If breathing is difficult, give oxygen,

Dermal Exposure

In case of skin contact, flush with copious amounts of water for at least 15 minutes, Remove contaminated clothing and shoes, Call a physician.

Eye Exposure

In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

Section 5 - Fire Fighting Measures

Autoignition Temp:

N/A

Extinguishing Media

Suitable

Water spray, Carbon dioxide, dry chemical powder, or appropriate foam.

Firefighting

Protective Equipment

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Specific Hazard(s)

Emits toxic fumes under fire conditions

Section 6 - Accidental Release Measures

Procedure to be Followed In Case of Leak or Spill

Evacuate area

Procedure(s) of Personal Precaution(s)

Wear self-contained breathing apparatus, rubber boots, and heavy rubber gloves,

Methods for Cleaning Up

Sweep up, place in a bag and hold for waste disposal, Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

Section 7 - Handling and Storage

Handling

User Exposure

Do not breathe dust. Do not get in eyes, on skin, on clothing. Avoid prolonged or repeated exposure.

Storage

Suitable

Keep tightly closed. Store at 2-8°C

Section 8 - Exposure Controls / PPE

Engineering Controls

Use only in a chemical fume hood. Safety shower and eye bath.

Personal Protective Equipment

Respiratory

Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N99 (US) or type P2 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator.

Hand

Compatible chemical-resistant gloves.

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Chemical safety goggles.

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General Hygiene Measures

Wash contaminated clothing before reuse. Wash thoroughly after handling.

Section 9 - Physical/Chemical Properties

Appearance Physical State Color Solid White Molecular Weight: 545.5 AMU N/A BP/BP Range N/A MP/MP Range 183 - 186 °C Freezing Point N/A Vapor Pressure N/A Vapor Density N/A Saturated Vapor Conc. N/A SG/Density N/A **Bulk Density** N/A Odor Threshold N/A Volatile% N/A **VOC Content** N/A Water Content N/A Solvent Content N/A Evaporation Rate N/A Viscosity N/A Partition Coefficient N/A Decomposition Temp. N/A Flash Point °F Flash Point °C N/A

Flammability N/A

Autoignition Temp N/A Solubility

Solvent: 10 mg/ml DMF, clear, colorless

N/A

N/A = not available

Explosion Limits

Section 10 - Stability and Reactivity

Stability

Stable

Stable.

Materials to Avoid

Strong oxidizing agents,

Hazardous Decomposition Products

Hazardous Decomposition Products

Carbon monoxide, Carbon dioxide, Nitrogen oxides, Hydrogen fluoride.

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Hazardous Polymerization

Hazardous Polymerization

Will not occur.

Section 11 - Toxicological Information

Route of Exposure

Skin Contact

May cause skin irritation.

Skin Absorption

May be harmful if absorbed through the skin.

Eve Contact

May cause eye irritation.

Inhalation

May be harmful if inhaled. Material may be irritating to mucous membranes and upper respiratory tract.

Ingestion

Toxic if swallowed.

Target Organ(s) or System(s)

Nerves. Smooth muscle.

RTECS Number: VA1411195

Toxicity Data

Oral - Rat: 129 mg/kg (LD50)

Remarks: Behavioral: Altered sleep time (including change in righting reflex).

Behavioral:Somnolence (general depressed activity).

Lungs, Thorax, or Respiration: Respiratory depression.

Intraperitoneal - Rat: 204 MG/KG (LD50)

Remarks: Behavioral: Altered sleep time (including change in righting reflex).

Behavioral:Somnolence (general depressed activity).

Lungs, Thorax, or Respiration:Respiratory depression.

Subcutaneous - Rat: 348 MG/KG (LD50)

Remarks: Behavioral: Altered sleep time (including change in righting reflex).

Behavioral:Somnolence (general depressed activity).

Lungs, Thorax, or Respiration: Respiratory depression.

Intravenous - Rat: 41100 UG/KG (LD50)

Remarks: Behavioral: Altered sleep time (including change in righting reflex).

Behavioral:Somnolence (general depressed activity).

Lungs, Thorax, or Respiration: Respiratory depression.

Oral - Mouse: 164 mg/kg (LD50)

Remarks: Behavioral:Altered sleep time (including change in righting reflex).

Behavioral: Convulsions or effect on seizure threshold.

Lungs, Thorax, or Respiration: Respiratory stimulation.

Intraperitoneal - Mouse: 71500 UG/KG (LD50)

Remarks: Behavioral: Altered sleep time (including change in righting reflex).

Behavioral:Convulsions or effect on seizure threshold.

Lungs, Thorax, or Respiration: Respiratory stimulation.

Subcutaneous - Mouse: 150 MG/KG (LD50)

Remarks: Behavioral:Altered sleep time (including change in righting reflex).

Behavioral Convulsions or effect on seizure threshold.

Lungs, Thorax, or Respiration:Respiratory stimulation.

Intravenous - Mouse: 37100 UG/KG (LD50)

Remarks: Behavioral: Altered sleep time (including change in righting reflex).

Behavioral:Convulsions or effect on seizure threshold.

Lungs, Thorax, or Respiration: Respiratory stimulation.

Oral - Dog: 570 mg/kg (LD50)

Remarks: Behavioral: Altered sleep time (including change in righting reflex).

Behavioral:Somnolence (general depressed activity).

Behavioral:Tremor.

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Intravenous - Dog: 26700 UG/KG (LD50)

Remarks: Behavioral:Altered sleep time (including change in righting reflex).

Behavioral:Somnolence (general depressed activity).

Behavioral:Tremor.

Chronic Exposure - Reproductive Hazard

Route of Application Exposure Time Species 5 4 1 (60D MALE/2W PRE-Rat 1458 MG/KG Oral 7D PREG)

Result: Effects on Fertility: Mating performance (e.g., # sperm positive fernales per # females mated; # copulations per #

estrus cycles). Rat

(60D MALE/2W PRE-5670 MG/KG Oral 7D PREG)

Result: Paternal Effects: Testes, epididymis, sperm duct.

Rat

(7-17D PREG) 550 MG/KG Oral

Result: Effects on Fertility: Pre-implantation mortality (e.g., reduction in number of implants per female; total number of implants per corpora lutea), Effects on Embryo or Fetus: Fetotoxicity (except death, e.g., stunted fetus). Specific

Developmental Abnormalities: Musculoskeletal system. Rat

(17D PREG-21D 1350 MG/KG Oral

POST)

Result: Maternal Effects: Parturition. Effects on Newborn: Viability index (e.g., # alive at day 4 per # born alive). Effects on Newborn: Growth statistics (e.g., reduced weight gain)

Section 12 - Ecological Information

No data available.

Section 13 - Disposal Considerations

Appropriate Method of Disposal of Substance or Preparation

Contact a licensed professional waste disposal service to dispose of this material.

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber-Observe all federal, state, and local environmental regulations.

Section 14 - Transport Information

DOT

Proper Shipping Name: Toxic solids, organic, n.o.s.

UN#: 2811 Class: 6.1

Packing Group: Packing Group III Hazard Label: Toxic substances.

PIH: Not PIH

IATA

Proper Shipping Name: Toxic solid, organic, n.o.s.

IATA UN Number: 2811 Hazard Class: 6.1 Packing Group: III

Section 15 - Regulatory Information

EU Additional Classification

Symbol of Danger: T Indication of Danger

Toxic.

Risk Statements R: 25

Toxic if swallowed.

S: 45 36/37/39 22

Safety Statements

In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Wear suitable protective clothing, gloves, and eye/face protection. Do not breathe dust.

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US Classification and Label Text

Indication of Danger

Risk Statements

Toxic if swallowed.

Safety Statements

In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Wear suitable protective clothing, gloves, and eye/face protection. Do not breathe dust.

US Statements

Target organ(s): Nerves. Smooth muscle,

United States Regulatory Information

SARA Listed: No

Canada Regulatory Information

WHMIS Classification

This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR,

DSL: No NDSL: No

Section 16 - Other Information

Disclaimer

For R&D use only. Not for drug, household or other uses.

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Sigma-Aldrich Inc., shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale. Copyright 2007 Sigma-Aldrich Co, License granted to make unlimited paper copies for internal use only,

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