

Palbociclib, Hydrochloride Salt

Cat#: orb303998 (MSDS)

SECTION 1: Identification

Product identifiers

Product name : Palbociclib, Hydrochloride Salt

Product Number : orb303998

Brand : Biorbyt

supplier: Biorbyt Ltd, 5 Orwell Furlong, Cowley Road, Cambridge, Cambridgeshire, CB4 0WY, United Kingdom.

Emergency Phone # : +44 (0)1223 859-353

SECTION 2: Hazards identification

Hazard Description: Harmful

RTECS Substance category: Tumorigen; Drug (for the free base form of this compound)

May be harmful if swallowed, inhaled, or absorbed through the skin

Ingestion may result in lymphopenia/leukopenia/neutropenia (reduced levels of different types of white blood cells), thrombocytopenia (reduced blood platelets), anemia, fatigue, hyperglycemia (elevated serum glucose level), hyponatremia (reduced serum sodium level), nausea, vomiting, diarrhea, constipation, rash, and epistaxis (nose bleed)

Exposure may cause irritation of the skin, eyes, 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: 6-Acetyl-8-cyclopentyl-5-methyl-2-[[5-(1-piperazinyl)-2-pyridinyl]amino]-pyrido[2,3-*d*]pyrimidin-7(8*H*)-one Hydrochloride

Synonyms: Ibrance, PD-0332991, PD 332991

Hazardous Ingredient: Palbociclib, Hydrochloride Salt

CAS Registry Number: 827022-32-2

Molecular Weight: 483.99

Molecular Formula: C₂₄H₂₉N₇O₂•HCl

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: Firefighting 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 #: UV1161907 (for the free base form of this compound)

Acute toxicity: oral toxicity (TDLo): 25-1800 mg/kg (mouse) (data applies to the free base form of this compound)

Primary irritant effect:

On the skin: may be an irritant; may be harmful if absorbed through the skin

On the eye: may be an irritant

Inhalation: may cause respiratory tract irritation; may be harmful if inhaled

Ingestion: may be 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

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

R68: Possible risk of irreversible effects

R48/22: Harmful: danger of serious damage to health by prolonged exposure if swallowed