# Safety Data Sheet
**SDS created:** 29-04-2019

## 1 - Identification of substance and manufacturer

**Axon catalogue ID**
2953

**Product name**
Roblitinib

**IUPAC name**
N-(5-Cyano-4-(2-methoxyethylamino)piperidin-2-yl)-7-formyl-3,4-dihydro-1,8-naphthyridine-1(2H)-carboxamide

**Manufacturer's name**
Axon Medchem BV

**Emergency Telephone number**
+31 (0) 50 311 8007

**Street address**
Biotech Center UMCG, Hanzeplein 1

**Postal Code**
9713 GZ Groningen

**Province**
Groningen

**Country of origin**
The Netherlands

**Manufacturer's website**
http://www.axonmedchem.com

## 2 - Hazards identification

**Route of entry**
Eye contact, Inhalation, Digestion

**Symptoms of Exposure**
No data available

**Hazardous ingredient**
Roblitinib

**CAS number**
1708971-55-4

**Concentration**
99.5%

**LD-50 of ingredient**
No data available

**GHS Pictogram**
Potential health effects

May be harmful by inhalation, ingestion or eye and/or skin absorption. May cause irritation to eye, mucous membranes, upper respiratory system, and/or skin. The toxicological properties of this compound have not been fully tested. For research purposes only.

## 3 - Information on ingredients

**Hazardous ingredient**
Roblitinib

**CAS number**
1708971-55-4

**Concentration**
99.5%

**LD-50 of ingredient**
No data available

**Fire fighting instructions**
Use extinguishing media appropriate to the surrounding fire conditions. Wear protective clothing to prevent contact with skin, eyes, and respiratory system.

**Flashpoint (°C)**
No data available

**Hazardous combustion products**
May emit toxic gasses like carbon monoxide (CO), carbon dioxide (CO2), hydrochloric acid (HCl), nitrogen oxide upon thermal decomposition.

**Physical and chemical properties**

**Batch molecular formula**
C25H30N8O4

**Appearance**
White solid

**Melting point**
216.5 - 218.3 °C

**Chemical purity**
99.5%

**Optical purity (ee)**
N.A.

**Solubility in water (mg/mL)**
0.0

**Stability**

**Stable under normal handling conditions.**

**Reactivity**
May emit toxic gasses like carbon monoxide (CO), carbon dioxide (CO2), hydrochloric acid (HCl), nitrogen oxide upon thermal decomposition.

**Conditions and materials to avoid**
Protect from light and heat. Avoid strong oxidizing agents.

## 4 - First Aid Measures

**Skin contact**
Wash with copious amounts of water for at least 15 minutes. Remove contaminated clothing.

**Eye contact**
Rinse with copious amounts of water for at least 15 minutes as a precaution.

**Inhalation**
Transfer victim to an un-effected area and monitor breathing. If breathing becomes difficult administer oxygen. If breathing stops give artificial respiration.

**Ingestion**
Rinse mouth out with copious amounts of water, contact a physician.

## 5 - Fire Fighting Measures

**Use extinguishing media appropriate to the surrounding fire conditions.**

**Wear protective clothing to prevent contact with skin, eyes, and respiratory system.**

**Flashpoint (°C)**
No data available

## 6 - Accidental Release Measures

**Leak and spill procedures**
Wear appropriate protective clothing. Vacuum or sweep up dry material and dispose in an appropriate container as described under Disposal Conditions. Avoid raising dust.

**Absorb solutions with finely-powdered liquid-binding material.**

**After removal, ventilate and decontaminate surfaces and equipment with alcohol.**

**Dispose of contaminated materials according to section 13.**

## 7 - Handling and Storage

**Handling procedures and equipment**

**Wear appropriate protective clothing.**

**Avoid any inhalation, contact with skin and eyes.**

**Remove contaminated clothing.**

**Wear protective clothing.**

**Prevent inhalation.**

**Store in a properly sealed container under the storage conditions indicated on the label.**

## 8 - Exposure Control / Personal Protection

**Exposure limits**

**Protection of hands/skin**
Chemical resistant gloves and lab coat

**Protection of eyes**
Appropriate safety glasses

**Protection of respiratory system**
Handle in fume hood. Prevent inhalation.

## 9 - Physical and chemical properties

**Appearance**
White solid

**Melting point**
216.5 - 218.3 °C

**Chemical purity**
99.5%

**Optical purity (ee)**
N.A.

**Solubility in water (mg/mL)**
0.0

## 10 - Stability and reactivity

**Stable under normal handling conditions.**

**Reactivity**
May emit toxic gasses like carbon monoxide (CO), carbon dioxide (CO2), hydrochloric acid (HCl), nitrogen oxide upon thermal decomposition.

**Conditions and materials to avoid**
Protect from light and heat. Avoid strong oxidizing agents.

## 11 - Toxicological information

**Toxicity**

**Carcinogenicity**
No data available

**Mutagenicity**
No data available

**Teratogenicity**
No data available

## 12 - Ecological information

**Treat as potentially toxic.**

Runoff from fire control or dilution with water may cause pollution.

## 13 - Disposal considerations

**Treat as potentially toxic.**

Dispose in accordance with local, state, and federal regulations.

## 14 - Transport Information

**IATA class**
No data available

**Applicable HS class**
2942.00.0000

**Transportation (Land/Sea/Air)**
Non-hazardous

## 15 - Regulatory information

**Hazardous ingredient**
Roblitinib

**CAS number**
1708971-55-4

**European risk and safety phrases**

**R48:** Danger of serious damage to health by prolonged exposure.

**S22:** Do not breathe dust.

**S24/S25:** Avoid any inhalation, contact with skin and eyes.

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

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

## 16 - Other information

The above information is believed to be accurate and represents the best information currently available to us, but does not purport to be complete. The absence of warning must not, under any circumstance, be taken to mean that no hazard exists.

For research use only by trained personnel.

CAUTION: SUBSTANCE NOT FULLY TESTED