

Safety Data Sheet

SDS created: 26-05-2015



1 - Identification of substance and manufacturer

Axon catalogue ID 1386	CAS number 252917-06-9	Manufacturer's name Axon Medchem BV	Emergency Telephone number +31 (0)50 311 8007
Product name CHIR 99021	Batch no. 9	Street address Biotech Center UMCG, Hanzeplein 1	Manufacturer's fax number +31 (0)50 3600390
IUPAC name 6-{2-[4-(2,4-Dichloro-phenyl)-5-(5-methyl-1H-imidazol-2-yl)-pyrimidin-2-ylamino]-ethylamino}-nicotinonitrile	Application GSK-3 inhibitor	Postal Code 9713 GZ	City Groningen
		Province Groningen	Country of origin The Netherlands
			Manufacturer's email address info@axonmedchem.com
			Manufacturer's website http://www.axonmedchem.com

2 - Hazards identification

Route of entry Eye contact, Inhalation, Digestion	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.
Symptoms of Exposure No data available		

3 - Information on ingredients

Hazardous ingredient CHIR 99021	CAS number 252917-06-9	Concentration 99.1%	LD-50 of ingredient No data available
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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.
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5 - Fire Fighting Measures

Fire fighting instructions Use extinguishing media appropriate to the surrounding fire conditions. Wear protective clothing to prevent contact with skin, eyes, and respiratory system.	Flammable No data available	Flashpoint (°C) No data available	Hazardous combustion products May emit toxic gasses like carbon monoxide (CO), carbon dioxide (CO ₂), hydrochloric acid (HCl), nitrogen oxide upon thermal decomposition.
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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

Avoid inhalation, contact with eyes, skin and clothing. Wear appropriate protective clothing. Avoid repeated and/or prolonged exposure. Use in a chemical fume hood, with an independent air supply.

Storage requirements

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

8 - Exposure Control / Personal Protection

Exposure limits No data available	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
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9 - Physical and chemical properties

Batch molecular formula C ₂₂ H ₁₈ Cl ₂ N ₈	Appearance Off-white solid	Chemical purity 99.1%	Solubility in water (mg/mL) 0.0
Batch MW 465.35	Melting point >250 °C (decomp)	Optical purity (ee) N.A.	

10 - Stability and reactivity

Stability Stable under normal handling conditions.	Reactivity May emit toxic gasses like carbon monoxide (CO), carbon dioxide (CO ₂), hydrochloric acid (HCl), nitrogen oxide upon thermal decomposition.	Conditions and materials to avoid Protect from light and heat. Avoid strong oxidizing agents.
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11 - Toxicological information

Toxicity No data available	Carcinogenicity No data available	Mutagenicity No data available	Teratogenicity No data available
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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

(US) DOT shipping name No data available	IATA class No data available	Applicable HS class 2942.00.0000	Transportation (Land/Sea/Air) Non-hazardous
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15 - Regulatory Information

Hazardous ingredient CHIR 99021	CAS number 252917-06-9	US EPA SARA Title III Sec.302 (EHS) - No Sec.302 (EHS) - No Sec.313 (TRI) - No Sec.110 - No	US EPA CAA, CWA, TSCA EPA CAA - No EPA CWA NPDES - No EPA TSCA - No CA PROP 65 - No
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/S37/S39 - 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

Safety Data Sheet

SDS created: 09-12-2014



1 - Identification of substance and manufacturer

Axon catalogue ID 1408	CAS number 391210-10-9	Manufacturer's name Axon Medchem BV	Emergency Telephone number +31 (0)50 311 8007
Product name PD 0325901	Batch no. 6	Street address Biotech Center UMCG, Hanzeplein 1	Manufacturer's fax number +31 (0)50 3600390
IUPAC name (R)-N-(2,3-dihydroxypropoxy)-3,4-difluoro-2-(2-fluoro-4-iodophenylamino)benzamide	Application MEK1 and MEK2 inhibitor	Postal Code 9713 GZ	City Groningen
		Province Groningen	Country of origin The Netherlands
			Manufacturer's email address info@axonmedchem.com
			Manufacturer's website http://www.axonmedchem.com

2 - Hazards identification

Route of entry Eye contact, Inhalation, Digestion	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.
Symptoms of Exposure No data available		

3 - Information on ingredients

Hazardous ingredient PD 0325901	CAS number 391210-10-9	Concentration 99.6%	LD-50 of ingredient No data available
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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.
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5 - Fire Fighting Measures

Fire fighting instructions Use appropriate extinguishing media appropriate to the surrounding fire conditions. Wear protective clothing to prevent contact with skin, eyes, and respiratory system.	Flammable No data available	Flashpoint (°C) No data available	Hazardous combustion products May emit toxic gasses like carbon monoxide (CO), carbon dioxide (CO ₂), hydrochloric acid (HCl), nitrogen oxide upon thermal decomposition.
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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
Avoid inhalation, contact with eyes, skin and clothing. Wear appropriate protective clothing. Avoid repeated and/or prolonged exposure. Use in a chemical fume hood, with an independent air supply.

Storage requirements

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

8 - Exposure Control / Personal Protection

Exposure limits No data available	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
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9 - Physical and chemical properties

Batch molecular formula C ₁₆ H ₁₄ F ₃ N ₂ O ₄	Appearance White solid	Chemical purity 99.6%	Solubility in water (mg/mL) 0.0
Batch MW 482.19	Melting point 115 - 116 °C	Optical purity (ee) N.A.	

10 - Stability and reactivity

Stability Stable under normal handling conditions.	Reactivity May emit toxic gasses like carbon monoxide (CO), carbon dioxide (CO ₂), hydrochloric acid (HCl), nitrogen oxide upon thermal decomposition.	Conditions and materials to avoid Protect from light and heat. Avoid strong oxidizing agents.
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11 - Toxicological information

Toxicity No data available	Carcinogenicity No data available	Mutagenicity No data available	Teratogenicity No data available
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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

(US) DOT shipping name No data available	IATA class No data available	Applicable HS class 2942.00.0000	Transportation (Land/Sea/Air) Non-hazardous
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15 - Regulatory Information

Hazardous ingredient PD 0325901	CAS number 391210-10-9
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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/S37/S39 - 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.

US EPA SARA Title III

Sec.302 (EHS) - No

Sec.302 (EHS) - No

Sec.313 (TRI) - No

Sec.110 - No

US EPA CAA, CWA, TSCA

EPA CAA - No

EPA CWA NPDES - No

EPA TSCA - No

CA PROP 65 - No

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

Safety Data Sheet

SDS created: 18-03-2015



1 - Identification of substance and manufacturer

Axon catalogue ID 1358	CAS number 285983-48-4	Manufacturer's name Axon Medchem BV	Emergency Telephone number +31 (0)50 311 8007
Product name BIRB 796	Batch no. 2A	Street address Biotech Center UMCG, Hanzeplein 1	Manufacturer's fax number +31 (0)50 3600390
IUPAC name 1-(3-tert-Butyl-1-p-tolyl-1H-pyrazol-5-yl)-3-(4-(2-morpholinoethoxy)naphthalen-1-yl)urea	Application p38 MAP Kinase inhibitor	Postal Code 9713 GZ	City Groningen
		Province Groningen	Country of origin The Netherlands
			Manufacturer's email address info@axonmedchem.com
			Manufacturer's website http://www.axonmedchem.com

2 - Hazards identification

Route of entry Eye contact, Inhalation, Digestion	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.
Symptoms of Exposure No data available		

3 - Information on ingredients

Hazardous ingredient BIRB 796	CAS number 285983-48-4	Concentration 99.7%	LD-50 of ingredient No data available
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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.
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5 - Fire Fighting Measures

Fire fighting instructions Use appropriate extinguishing media appropriate to the surrounding fire conditions. Wear protective clothing to prevent contact with skin, eyes, and respiratory system.	Flammable No data available	Flashpoint (°C) No data available	Hazardous combustion products May emit toxic gasses like carbon monoxide (CO), carbon dioxide (CO ₂), hydrochloric acid (HCl), nitrogen oxide upon thermal decomposition.
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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

Avoid inhalation, contact with eyes, skin and clothing. Wear appropriate protective clothing. Avoid repeated and/or prolonged exposure. Use in a chemical fume hood, with an independent air supply.

Storage requirements

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

8 - Exposure Control / Personal Protection

Exposure limits No data available	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
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9 - Physical and chemical properties

Batch molecular formula C31H37N5O3	Appearance Off-white solid	Chemical purity 99.7%	Solubility in water (mg/mL) 0.0
Batch MW 527.66	Melting point 149 °C	Optical purity (ee) N.A.	

10 - Stability and reactivity

Stability Stable under normal handling conditions.	Reactivity May emit toxic gasses like carbon monoxide (CO), carbon dioxide (CO ₂), hydrochloric acid (HCl), nitrogen oxide upon thermal decomposition.	Conditions and materials to avoid Protect from light and heat. Avoid strong oxidizing agents.
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11 - Toxicological information

Toxicity No data available	Carcinogenicity No data available	Mutagenicity No data available	Teratogenicity No data available
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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

(US) DOT shipping name No data available	IATA class No data available	Applicable HS class 2942.00.0000	Transportation (Land/Sea/Air) Non-hazardous
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15 - Regulatory Information

Hazardous ingredient BIRB 796	CAS number 285983-48-4
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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/S37/S39 - 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.

US EPA SARA Title III

Sec.302 (EHS) - No

Sec.302 (EHS) - No

Sec.313 (TRI) - No

Sec.110 - No

US EPA CAA, CWA, TSCA

EPA CAA - No

EPA CWA NPDES - No

EPA TSCA - No

CA PROP 65 - No

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

Safety Data Sheet

SDS created: 27-01-2016



1 - Identification of substance and manufacturer

Axon catalogue ID 2519	CAS number 129-56-6	Manufacturer's name Axon Medchem BV	Emergency Telephone number +31 (0)50 311 8007
Product name SP 600125	Batch no. 1	Street address Biotech Center UMCG, Hanzeplein 1	Manufacturer's fax number +31 (0)50 3600390
IUPAC name 2H-Dibenzo[cd,g]indazol-6-one	Application JNK inhibitor	Postal Code 9713 GZ	City Groningen
		Province Groningen	Country of origin The Netherlands
			Manufacturer's email address info@axonmedchem.com
			Manufacturer's website http://www.axonmedchem.com

2 - Hazards identification

Route of entry Eye contact, Inhalation, Digestion	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.
Symptoms of Exposure No data available		

3 - Information on ingredients

Hazardous ingredient SP 600125	CAS number 129-56-6	Concentration 98.4%	LD-50 of ingredient No data available
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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.
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5 - Fire Fighting Measures

Fire fighting instructions Use extinguishing media appropriate to the surrounding fire conditions. Wear protective clothing to prevent contact with skin, eyes, and respiratory system.	Flammable No data available	Flashpoint (°C) No data available	Hazardous combustion products May emit toxic gasses like carbon monoxide (CO), carbon dioxide (CO ₂), hydrochloric acid (HCl), nitrogen oxide upon thermal decomposition.
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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

Avoid inhalation, contact with eyes, skin and clothing. Wear appropriate protective clothing. Avoid repeated and/or prolonged exposure. Use in a chemical fume hood, with an independent air supply.

Storage requirements

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

8 - Exposure Control / Personal Protection

Exposure limits No data available	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
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9 - Physical and chemical properties

Batch molecular formula C ₁₄ H ₈ N ₂ O	Appearance Fluffy dark yellow crystals	Chemical purity 98.4%	Solubility in water (mg/mL) 0.0
Batch MW 220.23	Melting point 286 - 288 °C (decomp)	Optical purity (ee) N.A.	

10 - Stability and reactivity

Stability Stable under normal handling conditions.	Reactivity May emit toxic gasses like carbon monoxide (CO), carbon dioxide (CO ₂), hydrochloric acid (HCl), nitrogen oxide upon thermal decomposition.	Conditions and materials to avoid Protect from light and heat. Avoid strong oxidizing agents.
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11 - Toxicological information

Toxicity No data available	Carcinogenicity No data available	Mutagenicity No data available	Teratogenicity No data available
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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

(US) DOT shipping name No data available	IATA class No data available	Applicable HS class 2942.00.0000	Transportation (Land/Sea/Air) Non-hazardous
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15 - Regulatory Information

Hazardous ingredient SP 600125	CAS number #REF!	US EPA SARA Title III Sec.302 (EHS) - No Sec.302 (EHS) - No Sec.313 (TRI) - No Sec.110 - No	US EPA CAA, CWA, TSCA EPA CAA - No EPA CWA NPDES - No EPA TSCA - No CA PROP 65 - No
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/S37/S39 - 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

Safety Data Sheet

SDS created: 26-10-2015



1 - Identification of substance and manufacturer

Axon catalogue ID 2466	CAS number 133053-19-7	Manufacturer's name Axon Medchem BV	Emergency Telephone number +31 (0)50 311 8007
Product name Gö 6983	Batch no. 1	Street address Biotech Center UMCG, Hanzeplein 1	Manufacturer's fax number +31 (0)50 3600390
IUPAC name 3-(1-(3-(dimethylamino)propyl)-5-methoxy-1H-indol-3-yl)-4-(1H-indol-3-yl)-1H-pyrrole-2,5-dione	Application Broad spectrum PKC inhibitor	Postal Code 9713 GZ	City Groningen
		Province Groningen	Country of origin The Netherlands
			Manufacturer's email address info@axonmedchem.com
			Manufacturer's website http://www.axonmedchem.com

2 - Hazards identification

Route of entry Eye contact, Inhalation, Digestion	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.
Symptoms of Exposure No data available		

3 - Information on ingredients

Hazardous ingredient Gö 6983	CAS number 133053-19-7	Concentration 98.9%	LD-50 of ingredient No data available
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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.
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5 - Fire Fighting Measures

Fire fighting instructions Use extinguishing media appropriate to the surrounding fire conditions. Wear protective clothing to prevent contact with skin, eyes, and respiratory system.	Flammable No data available	Flashpoint (°C) No data available	Hazardous combustion products May emit toxic gasses like carbon monoxide (CO), carbon dioxide (CO ₂), hydrochloric acid (HCl), nitrogen oxide upon thermal decomposition.
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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

Avoid inhalation, contact with eyes, skin and clothing. Wear appropriate protective clothing. Avoid repeated and/or prolonged exposure. Use in a chemical fume hood, with an independent air supply.

Storage requirements

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

8 - Exposure Control / Personal Protection

Exposure limits No data available	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
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9 - Physical and chemical properties

Batch molecular formula C ₂₆ H ₂₆ N ₄ O ₃ ·0.2H ₂ O	Appearance Red solid	Chemical purity 98.9%	Solubility in water (mg/mL) 0.0
Batch MW 446.11	Melting point 222 °C	Optical purity (ee) N.A.	

10 - Stability and reactivity

Stability Stable under normal handling conditions.	Reactivity May emit toxic gasses like carbon monoxide (CO), carbon dioxide (CO ₂), hydrochloric acid (HCl), nitrogen oxide upon thermal decomposition.	Conditions and materials to avoid Protect from light and heat. Avoid strong oxidizing agents.
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11 - Toxicological information

Toxicity No data available	Carcinogenicity No data available	Mutagenicity No data available	Teratogenicity No data available
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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

(US) DOT shipping name No data available	IATA class No data available	Applicable HS class 2942.00.0000	Transportation (Land/Sea/Air) Non-hazardous
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15 - Regulatory Information

Hazardous ingredient Gö 6983	CAS number #REF!	US EPA SARA Title III Sec.302 (EHS) - No Sec.302 (EHS) - No Sec.313 (TRI) - No Sec.110 - No	US EPA CAA, CWA, TSCA EPA CAA - No EPA CWA NPDES - No EPA TSCA - No CA PROP 65 - No
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/S37/S39 - 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

Safety Data Sheet

SDS created: 23-01-2015



1 - Identification of substance and manufacturer

Axon catalogue ID 1683	CAS number 129830-38-2	Manufacturer's name Axon Medchem BV	Emergency Telephone number +31 (0)50 311 8007
Product name Y 27632	Batch no. 5	Street address Biotech Center UMCG, Hanzeplein 1	Manufacturer's fax number +31 (0)50 3600390
IUPAC name Trans-4-((R)-1-aminoethyl)-N-(pyridin-4-yl)cyclohexanecarboxamide dihydrochloride	Application Inhibitor of Rho-Kinase (ROCK)	Postal Code 9713 GZ	City Groningen
		Province Groningen	Country of origin The Netherlands
			Manufacturer's email address info@axonmedchem.com
			Manufacturer's website http://www.axonmedchem.com

2 - Hazards identification

Route of entry Eye contact, Inhalation, Digestion	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.
Symptoms of Exposure No data available		

3 - Information on ingredients

Hazardous ingredient Y 27632	CAS number 129830-38-2	Concentration 100.0%	LD-50 of ingredient No data available
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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.
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5 - Fire Fighting Measures

Fire fighting instructions Use extinguishing media appropriate to the surrounding fire conditions. Wear protective clothing to prevent contact with skin, eyes, and respiratory system.	Flammable No data available	Flashpoint (°C) No data available	Hazardous combustion products May emit toxic gasses like carbon monoxide (CO), carbon dioxide (CO ₂), hydrochloric acid (HCl), nitrogen oxide upon thermal decomposition.
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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

Avoid inhalation, contact with eyes, skin and clothing. Wear appropriate protective clothing. Avoid repeated and/or prolonged exposure. Use in a chemical fume hood, with an independent air supply.

Storage requirements

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

8 - Exposure Control / Personal Protection

Exposure limits No data available	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
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9 - Physical and chemical properties

Batch molecular formula C ₁₄ H ₂₁ N ₃ O ₂ HCl _{0.5} H ₂ O	Appearance White solid	Chemical purity 100.0%	Solubility in water (mg/mL) 36.0
Batch MW 329.27	Melting point 294.7 - 295.2	Optical purity (ee) N.A.	

10 - Stability and reactivity

Stability Stable under normal handling conditions.	Reactivity May emit toxic gasses like carbon monoxide (CO), carbon dioxide (CO ₂), hydrochloric acid (HCl), nitrogen oxide upon thermal decomposition.	Conditions and materials to avoid Protect from light and heat. Avoid strong oxidizing agents.
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11 - Toxicological information

Toxicity No data available	Carcinogenicity No data available	Mutagenicity No data available	Teratogenicity No data available
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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

(US) DOT shipping name No data available	IATA class No data available	Applicable HS class 2942.00.0000	Transportation (Land/Sea/Air) Non-hazardous
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15 - Regulatory Information

Hazardous ingredient Y 27632	CAS number 129830-38-2	US EPA SARA Title III Sec.302 (EHS) - No Sec.302 (EHS) - No Sec.313 (TRI) - No Sec.110 - No	US EPA CAA, CWA, TSCA EPA CAA - No EPA CWA NPDES - No EPA TSCA - No CA PROP 65 - No
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/S37/S39 - 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