

Safety Data Sheet

#54251340 · Full 16-section SDS

According to Regulation (EC) No 1907/2006
According to Regulation (EC) No 2020/878

PRODUCT	CAS NUMBER	FORMULA	VERSION	REVISION DATE
Atorvastatin calcium salt	134523-03-8	C ₆₆ H ₆₈ CaF ₂ N ₄ O ₁₀	10	17 Aug 2026

SECTION 1

Identification

Product name	Atorvastatin calcium salt
CAS number	134523-03-8
Chemical formula	C ₆₆ H ₆₈ CaF ₂ N ₄ O ₁₀
Molecular weight	1155.34
SMILES	[Ca].O=C(O)CC(O)CC(O)CCN1C(C=2C=CC(F)=CC2)=C(C=3C=CC=CC3)C(C(=O)NC=4C=CC=CC4)=C1C(C)C
EC / EINECS number	658-046-8
Recommended use & restrictions	For research and development. Laboratory chemicals. Manufacture of substances. Not suitable for human or veterinary purposes.
Emergency telephone	0344 892 0111 — National Poisons Information Service (NPIS) (United Kingdom — for healthcare professionals (via TOXBASE))

SECTION 2

Hazard identification



WARNING

CODE	HAZARD STATEMENT
H315	Causes skin irritation
H319	Causes serious eye irritation
H335	May cause respiratory irritation
CODE	PRECAUTIONARY STATEMENT
P261	Avoid breathing dust/fume/gas/mist/vapours/spray
P271	Use only outdoors or in a well-ventilated area
P280	Wear protective gloves/protective clothing/eye protection/face protection
P302+P352	IF ON SKIN: Wash with soap and water
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P305+P351+P338	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do, continue rinsing
Other hazards (e.g. PBT / vPvB, not classified)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII. This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII. Does not contain components considered to have endocrine-disrupting properties

SECTION 3

Composition / information on ingredients

Purity / concentration	c. 100% Atorvastatin calcium salt (CAS: 134523-03-8)- H315, H319, H335
Impurities / stabilising additives	None

SECTION 4

First-aid measures

Inhalation	Remove to fresh air. Keep at rest. If symptoms occur or breathing is difficult, obtain medical attention. Avoid further exposure
Skin contact	Wash off immediately with plenty of water for at least 15 minutes. Take off all contaminated clothing immediately. If skin irritation persists or rash occurs, call a physician or get medical advice/attention.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation persists.
Ingestion	Rinse mouth. Drink water. Do not induce vomiting unless directed by medical personnel. Obtain medical attention if symptoms occur.
Symptoms / effects & medical attention	If symptoms persist, call a physician. Get medical attention if eye irritation persists. If skin irritation persists or rash occurs, call a physician or get medical advice/attention.

SECTION 5

Fire-fighting measures

Suitable extinguishing media	Dry chemical, carbon dioxide, water spray or alcohol-resistant foam.
Unsuitable extinguishing media	Avoid high-pressure water streams.
Special hazards	Heating / combustion may generate carbon monoxide, carbon dioxide, nitrogen oxides and hydrogen fluoride.
Advice for firefighters	Wear self-contained breathing apparatus and full protective firefighting clothing.

SECTION 6

Accidental release measures

Personal precautions & PPE	Ensure adequate ventilation. Avoid dust formation and contact with eyes/skin. Wear gloves, eye protection and protective clothing.
Environmental precautions	Prevent release to drains, soil and watercourses.
Containment & clean-up methods	Collect carefully using a method that minimises dust. Use a damp cloth or suitable filtered vacuum. Place in closed, labelled containers.

For specific precautions, see Section 8 and Section 13.

SECTION 7

Handling & storage

Storage temperature	2 to 8 °C
Precautions for safe handling	Do not eat, drink or smoke during use. Protect from sunlight. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Conditions for safe storage (incompatibilities)	Stable under recommended handling and storage conditions. Protect from sunlight. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Incompatible with strong oxidizers.

SECTION 8

Exposure controls / personal protection

Occupational exposure limits (OEL / WEL)	No specific occupational exposure limit identified.
DNEC/PNEC data	<i>No data available</i>
Eye / face protection	Safety glasses Wear eye/face protection as recommended. All eye/face protection should comply with EN ISO 16321-1:2022.
Skin / hand protection	Wear suitable protective clothing, gloves and eye/face protection. Hand protection: Disposable nitrile rubber (NBR) gloves (permeation 6, thickness 0.11 mm) complying with EN 374. Skin and body protection: Emergency safety showers should be available. Keep suitable chemically resistant protective clothing (with elasticated cuffs and closed neck) readily available for emergency use, complying with EN ISO 13982.
Respiratory protection	Dust mask (FFP2/FFP3) Keep self-contained breathing apparatus readily available for emergency use. Provide adequate ventilation. If ventilation is insufficient, suitable respiratory protection must be provided. Respiratory equipment: Reusable Air-Purifying Respirator (APR). Filter type: ABEK. Standard: EN 14387.

SECTION 9

Physical & chemical properties

Density (g/mL)	1 g/mL DERIVED FROM: LITERATURE
Flash point	<i>Not applicable</i>
Acidity	Neutral DERIVED FROM: LITERATURE
Appearance / physical state	Powder DERIVED FROM: LITERATURE
Colour	White to off white. DERIVED FROM: LITERATURE
Odour	Not known DERIVED FROM: LITERATURE
Melting / freezing point	176-178 °C DERIVED FROM: LITERATURE
Boiling point	722.2 °C at 760 mmHg DERIVED FROM: LITERATURE
Solubility (water)	Insoluble in aqueous solutions of pH 4 and below. Slightly soluble in distilled water, pH 7.4 phosphate buffer, and acetonitrile. Slightly soluble in ethanol. Freely soluble in methanol. Soluble in methanol, DMSO. DERIVED FROM: LITERATURE
pH	<i>No data available</i>
Vapour pressure	<i>No data available</i>
Partition coefficient (log Pow)	<i>No data available</i>
Auto-ignition / decomposition temp	<i>No data available</i>

SECTION 10

Stability & reactivity

Chemical stability / reactivity	The product is non-reactive under normal conditions of use, storage and transport. Stable under recommended handling and storage conditions.
Conditions to avoid	Protect from sunlight. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Incompatible materials	Strong oxidizers.
Hazardous decomposition products	No hazardous decomposition products known at room temperature. Thermal decomposition generates Carbon oxides (CO, CO ₂), Calcium oxide, hydrogen fluoride, Nitrogen oxides.

SECTION 11

Toxicological information

Acute toxicity (LD50 / LC50)	<i>No data available</i>
Skin corrosion / irritation	Causes skin irritation.
Eye corrosion / irritation	Causes serious eye irritation.
Respiratory / skin sensitisation	<i>No data available</i>
Carcinogenicity	<i>No data available</i>
Mutagenicity	<i>No data available</i>
Reproductive toxicity	<i>No data available</i>
STOT (single / repeated exposure)	May cause respiratory irritation (single exposure); Not classified (repeated exposure).
Aspiration hazard	Not classified.
Endocrine disruptors	<i>No data available</i>

SECTION 12

Ecological information

Aquatic toxicity	Not classified.
Persistence & degradability	No data available.
Bioaccumulative potential	No data available.
Mobility in soil	No data available. No data available
PBT / vPvB assessment	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII. This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII.

SECTION 13

Disposal considerations

Waste treatment / disposal methods	Dispose in a safe manner in accordance with local/national regulations. Avoid release to the environment.
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SECTION 14

Transport information

UN number	<i>Not applicable</i>
Proper shipping name	<i>Not applicable</i>
Class	<i>Not applicable</i>
Packing group	<i>Not applicable</i>
Transport category	<i>Not applicable</i>
Tunnel code	<i>Not applicable</i>
Packing instruction (ADR)	<i>Not applicable</i>
Packing instruction (IMDG)	<i>Not applicable</i>
Environmental hazards	<i>Not applicable</i>
Special precautions for user	<i>Not applicable</i>

SECTION 15

Regulatory information

REACH code	Y110
UFI code	<i>Not applicable</i>
ECHA notification	<i>Not applicable</i>
Chemical safety assessment carried out?	No

SECTION 16

Other information

Revision notes / other information	Last reviewed 07-Sept-2021 Latest update 16-Aug-2026 According to REACH etc. (Amendment etc.) (EU Exit) Regulations 202 No. 1577. Hazard classification and labelling according to Regulation (EC) 1272/2008 All eye/face protection should comply with EN ISO 16321-1:2022 Respiratory equipment: Reusable air-purifying respirator (APR) Filter Type: ABEK Standard: EN 14387 National Regulations: -Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances Other regulations, limitations and legal regulations: -Directive 94/33/EC- The protection of young people at work
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