

SAFETY DATA SHEET

CE-123

Section 1: Identification

Product name:

CE-123

Chemical name:

1-(benzothiophen-5-yl)-2-(pyrrolidin-1-yl)ethan-1-one

CAS number:

1879038-73-9

Molecular formula:

C₁₇H₁₅NOS₂

Molecular weight:

313.4 g/mol

Recommended use:

Laboratory research use only

Uses advised against:

Not for food, drug, cosmetic or household use.

Section 2: Hazard(s) identification

Classification according to Regulation (EC) No. 1272/2008 (CLP):

- Skin irritation, Category 2
- Eye irritation, Category 2
- STOT SE 3 (respiratory irritation)

Signal word:

Warning

Hazard statements

H315 Causes skin irritation

H319 Causes serious eye irritation

H335 May cause respiratory irritation

Precautionary statements

P261 Avoid breathing dust

P264 Wash hands thoroughly after handling

P280 Wear protective gloves, protective clothing and eye protection

P302+352 IF ON SKIN: Wash with plenty of soap and water

P304+340 IF INHALED: Remove person to fresh air and keep comfortable for breathing
P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes

Section 3: Composition / information on ingredients

Substance:

CE-123

CAS:

1879038-73-9

Molecular formula:

C₁₇H₁₅NOS₂

Molecular weight:

313.4 g/mol

The product is supplied as a single substance for laboratory use.

Section 4: First aid measures

General advice

Seek medical attention if symptoms occur.

Inhalation

Move affected person to fresh air. If irritation persists, seek medical attention.

Skin contact

Wash with plenty of soap and water. Remove contaminated clothing.

Eye contact

Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do.

Ingestion

Rinse mouth with water. Do not induce vomiting unless directed by medical personnel.

Section 5: Fire-fighting measures

Suitable extinguishing media

Water spray, dry chemical, foam or carbon dioxide.

Hazardous combustion products

Carbon oxides, nitrogen oxides, sulfur oxides and other irritating fumes may form during combustion.

Advice for firefighters

Wear self-contained breathing apparatus and full protective clothing.

Section 6: Accidental release measures**Personal precautions**

Avoid dust formation. Ensure adequate ventilation. Wear appropriate protective equipment.

Environmental precautions

Prevent entry into drains and water systems.

Methods for cleaning up

Collect spilled material carefully and place in a suitable container for disposal.

Section 7: Handling and storage**Handling**

Handle in accordance with good laboratory safety practices. Avoid contact with skin and eyes. Avoid breathing dust.

Storage

Store in a tightly sealed container in a cool, dry and well-ventilated area. Protect from moisture and direct sunlight.

Section 8: Exposure controls / personal protection**Engineering controls**

Use adequate ventilation or chemical fume hood.

Eye protection

Safety glasses or chemical safety goggles.

Hand protection

Protective gloves.

Skin protection

Laboratory coat or suitable protective clothing.

Respiratory protection

Use respiratory protection if dust exposure is possible.

Hygiene measures

Wash hands thoroughly after handling.

Section 9: Physical and chemical properties

Appearance: Powder

Color: White to off-white

Odor: No data available

Melting point: No data available

Boiling point: No data available

Solubility: Soluble in DMSO and ethanol; limited solubility in water

Section 10: Stability and reactivity**Chemical stability**

Stable under recommended storage conditions.

Conditions to avoid

Heat, moisture, direct sunlight.

Incompatible materials

Strong oxidizing agents.

Hazardous decomposition products

Carbon oxides, nitrogen oxides and sulfur oxides.

Section 11: Toxicological information

May cause skin irritation and serious eye irritation.

May cause respiratory irritation.

Toxicological properties have not been fully investigated.

Section 12: Ecological information

No specific ecological data available.

Avoid uncontrolled release to the environment.

Section 13: Disposal considerations

Dispose of contents and container in accordance with local, regional and national regulations.
Handle as laboratory chemical waste.

Section 14: Transport information

Not classified as dangerous goods for transport under ADR / IMDG / IATA regulations.

Section 15: Regulatory information

This substance is supplied for laboratory research purposes only.

Section 16: Other information

The information provided in this Safety Data Sheet is based on available chemical data and is intended for laboratory use and handling guidance.