Safety Data Sheet (SDS)

According to Regulation (EC) No. 1907/2006 (REACH)
Product: Vinpocetine
CAS number: 42971-09-5
EC number: 256-028-0
Revision date: 12 March 2026

---

1. Identification of the substance and of the company

Product identifier

Product name: Vinpocetine
CAS number: 42971-09-5
EC number: 256-028-0
Synonyms: Ethyl apovincaminate; Eburnamenine-14-carboxylic acid ethyl ester.

Relevant identified uses

Chemical reference material
Laboratory research and analytical applications

Not intended for food, drug, cosmetic or household use.

Supplier

Rexar
Genestetstraat 3
2394 XK Hazerswoude
Netherlands

Email: info@rexar.nl

Emergency information

Contact local poison control centre.

---

2. Hazards identification

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

Acute toxicity (oral), Category 4

H302 Harmful if swallowed.

Label elements

Pictogram: GHS07

Signal word: **Warning**

Hazard statement:

H302 Harmful if swallowed.

Precautionary statements

P264 Wash thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.
P330 Rinse mouth.
P501 Dispose of contents/container in accordance with local regulations.

Other hazards

PBT: Not applicable.
vPvB: Not applicable.

---

3. Composition / information on ingredients

Substance: Vinpocetine

CAS number: 42971-09-5
EC number: 256-028-0

Molecular formula: C22H26N2O2
Molecular weight: 350.45 g/mol

Purity: typically ≥98%.

---

4. First aid measures

General advice

Remove affected person from exposure and ensure fresh air.

Inhalation

Move person to fresh air. Seek medical attention if symptoms occur.

Skin contact

Wash thoroughly with soap and water.

Eye contact

Rinse cautiously with water for several minutes.

Ingestion

Rinse mouth. Do not induce vomiting. Seek medical advice if feeling unwell. This fits the oral toxicity classification used in reviewed supplier SDS documents.

---

5. Firefighting measures

Suitable extinguishing media

Water spray
Carbon dioxide
Dry chemical powder
Foam

Special hazards

Combustion may produce carbon oxides and nitrogen oxides. A reviewed supplier SDS for Vinpocetine lists carbon dioxide, carbon monoxide and nitrogen oxides as hazardous decomposition products.

Protective equipment

Firefighters should wear self-contained breathing apparatus.

---

6. Accidental release measures

Personal precautions

Avoid dust formation and inhalation. Use appropriate protective equipment.

Environmental precautions

Prevent entry into drains or waterways.

Cleanup methods

Collect material using suitable laboratory procedures and place in appropriate waste container.

---

7. Handling and storage

Handling

Use standard laboratory safety practices. Avoid inhalation of dust and direct contact with skin or eyes. Do not eat, drink or smoke when using this product. The latter is consistent with the reviewed precautionary statements.

Storage

Store in a tightly sealed container.
Keep in a cool, dry and well-ventilated area.

---

8. Exposure controls / personal protection

Exposure limits

No occupational exposure limits established were identified in the reviewed public sources.

Engineering controls

Use adequate ventilation.

Personal protective equipment

Eye protection: safety glasses
Gloves: nitrile or chemical resistant gloves
Respiratory protection: dust mask if required

---

9. Physical and chemical properties

Appearance: white to off-white crystalline powder / solid
Odor: faint or odorless
Molecular weight: 350.45 g/mol
Form: solid. Public supplier records describe Vinpocetine as a solid and list the same formula and molecular weight.

---

10. Stability and reactivity

Chemical stability

Stable under recommended storage conditions.

Conditions to avoid

Excessive heat
Moisture

Hazardous decomposition

Carbon oxides
Nitrogen oxides.

---

11. Toxicological information

Based on reviewed supplier safety information, the substance is appropriately classified as:

Acute toxicity (oral), Category 4 – H302 Harmful if swallowed. Recent public SDS documents support this hazard line, and one supplier SDS reports an **oral LD50 of 503 mg/kg in rat**.

Exposure routes may include inhalation of dust, ingestion, skin contact and eye contact.

---

12. Ecological information

Limited ecological data available.

Avoid release into the environment.

---

13. Disposal considerations

Dispose of material in accordance with local regulations.

Chemical waste should be handled by licensed disposal services.

---

14. Transport information

Not classified as dangerous goods according to standard transport regulations in the reviewed supplier documentation.

ADR (road)
IMDG (sea)
IATA (air)

---

15. Regulatory information

This product is supplied as a **chemical reference material for laboratory use**.

Classification according to Regulation (EC) No. 1272/2008 used in this draft:

Acute Toxicity Category 4 – H302.

---

16. Other information

This Safety Data Sheet provides information for safe handling in laboratory environments.

The product is supplied **for research and analytical use only**.

The information provided is based on reviewed public safety documentation and is believed to be accurate but does not constitute a guarantee of product properties.