

Safety Data Sheet

Petrelintide

Catalog No. **BP-00002** · CAS **2766385-23-1** · Physical form **Solid** · Version **1.1** · Revision **2026-09-14** · Class **Peptide****FOR RESEARCH USE ONLY. NOT FOR HUMAN OR VETERINARY USE.**

SECTION 1 — IDENTIFICATION

Product name	Petrelintide
Catalog number	BP-00002
CAS number	2766385-23-1
Recommended use	Laboratory research chemical
Restrictions on use	Not for drug, household, or other uses
Supplier	Guangzhou Yuyuan Biotech Co., Ltd. (BiochemProbe)
Address	Baiyun District, Guangzhou, Guangdong, China
Telephone / Fax	+86 20 31130026 / +86 20 36822386
Email / Web	tech@biochemprobe.com · www.biochemprobe.com
Emergency phone	+86 20 31130026 (business hours) · local poison control as applicable

SECTION 2 — HAZARD(S) IDENTIFICATION

GHS classification

- Not classified based on available data, or data are insufficient for classification.

Signal word: None**Hazard statements:** No hazard statements assigned based on available data.**Precautionary statements:** P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P280 Wear protective gloves/eye protection. P501 Dispose of contents/container in accordance with local regulations. Handle as a research chemical; avoid dust/mist inhalation and skin/eye contact.**Additional notes:** This SDS does not imply the substance is non-hazardous. Update when classification data become available.

SECTION 3 — COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name	Petrelintide
Synonyms	ZP8396
Molecular formula	C₁₈₅H₃₀₅N₄₉O₆₁
Molecular weight	4191.6900 (free base)
CAS number	2766385-23-1

SECTION 4 — FIRST-AID MEASURES

Inhalation: Move to fresh air. If breathing is difficult, give oxygen. Seek medical attention if symptoms persist.

Skin contact: Wash with plenty of soap and water. Remove contaminated clothing. Seek medical advice if irritation develops.

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

Ingestion: Rinse mouth. Do NOT induce vomiting. Call a poison center or physician if you feel unwell.

Most important symptoms / medical attention: Treat symptomatically. Provide this SDS to medical personnel.

SECTION 5 — FIRE-FIGHTING MEASURES

Suitable extinguishing media	Water spray, dry chemical, carbon dioxide, or alcohol-resistant foam
Unsuitable media	Do not use a solid water stream that may scatter dust
Specific hazards	May emit toxic fumes under fire conditions
Protective equipment	Self-contained breathing apparatus and full protective gear

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Personal precautions: Wear suitable PPE (Section 8). Ensure adequate ventilation. Avoid dust formation.

Environmental precautions: Prevent entry into drains and surface water.

Cleanup: Sweep or vacuum carefully (HEPA preferred). Place in a suitable closed container for disposal.

SECTION 7 — HANDLING AND STORAGE

Handling: Handle in a well-ventilated area or fume hood. Avoid contact with skin and eyes. Do not eat, drink, or smoke when using this product. Peptides are often hygroscopic—limit moisture uptake when opening vials.

Storage: Store lyophilized peptide at -20°C (or as labeled), sealed and protected from moisture. Before opening, allow the vial to warm toward room temperature in a desiccated environment when possible. Prefer long-term storage as the dry solid; avoid storing primarily as dilute aqueous stocks unless stability is known. Frozen solutions are commonly kept at -20°C or -80°C ; minimize freeze-thaw cycles.

Incompatibilities: Strong oxidizing agents (general guidance). Keep away from food and feed.

SECTION 8 — EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational exposure limits	No specific OELs established for this substance
Engineering controls	Local exhaust / laboratory fume hood
Eye / face protection	Safety glasses with side shields or chemical goggles
Skin protection	Chemical-resistant gloves (e.g. nitrile); lab coat
Respiratory protection	If dust is generated, use approved particulate respirator

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White to off-white solid
Physical state	Solid
Color	White to off-white
Odor	No data available
Melting / freezing point	No data available
Boiling point	Not applicable (solid)
Flash point	No data available
Solubility	DMSO : 25 mg/mL

SECTION 10 — STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions
Conditions to avoid	Moisture, repeated freeze-thaw cycles, prolonged storage of aqueous solutions at room temperature, and excessive heat
Incompatible materials	Strong oxidizers
Hazardous decomposition products	Carbon / nitrogen / sulfur / halogen oxides may form under fire conditions

SECTION 11 — TOXICOLOGICAL INFORMATION

Likely routes of exposure: Inhalation of dust, skin and eye contact, ingestion.

Acute toxicity	See Section 2. Substance-specific LD50/LC50 data not available.
Skin corrosion / irritation	See Section 2.
Serious eye damage / irritation	See Section 2.
Respiratory or skin sensitization	No data available.
Germ cell mutagenicity	No data available.
Carcinogenicity	No data available. No component present at $\geq 0.1\%$ is identified as a probable, possible, or confirmed human carcinogen by IARC, NTP, or OSHA based on available data.
Reproductive toxicity	No data available.
STOT — single exposure	See Section 2.
STOT — repeated exposure	No data available.
Aspiration hazard	Not applicable for solid under normal use.

Additional information: To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Treat as a research chemical.

SECTION 12 — ECOLOGICAL INFORMATION

No specific ecotoxicity data available. Do not release to the environment. Avoid discharge to sewer and waterways.

SECTION 13 — DISPOSAL CONSIDERATIONS

Dispose of contents/container in accordance with local, regional, and national regulations. Offer surplus and non-recyclable material to a licensed disposal company.

SECTION 14 — TRANSPORT INFORMATION

DOT (US)	Not dangerous goods
IMDG	Not dangerous goods
IATA	Not dangerous goods
Special precautions	Transport in sealed containers; protect from moisture / leakage

SECTION 15 — REGULATORY INFORMATION

Intended for research use only. The user must determine applicability of local chemical inventory listings and workplace regulations before use.

SECTION 16 — OTHER INFORMATION

SDS version	1.1
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Revision date

2026-09-14

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