# Safety Data Sheet

# Cy 3

Catalog No. **BP-08728** · CAS **146397-20-8** · Physical form **Solid** · Version **1.1** · Revision **2026-11-12**

**FOR RESEARCH USE ONLY. NOT FOR HUMAN OR VETERINARY USE.**

## SECTION 1 — IDENTIFICATION

| | |
|---|---|
| Product name | **Cy 3** |
| Catalog number | **BP-08728** |
| CAS number | **146397-20-8** |
| 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 | **Cy 3** |
| Synonyms | **—** |
| Molecular formula | **$C_{43}H_{50}N_4O_{14}S_2$** |
| Molecular weight | **911.0210** |
| CAS number | **146397-20-8** |

## 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.

**Storage:** Please store the product under the recommended conditions in the Certificate of Analysis.

**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 | **orange-red solid** |
| Physical state | **Solid** |
| Color | **orange-red** |
| Odor | **No data available** |
| Melting / freezing point | **No data available** |
| Boiling point | **Not applicable (solid)** |
| Flash point | **No data available** |
| Solubility | **No data available** |
| Viscosity | **Not applicable (solid)** |

## SECTION 10 — STABILITY AND REACTIVITY

| | |
|---|---|
| Chemical stability | **Stable under recommended storage conditions** |
| Conditions to avoid | **Moisture, excessive heat, dust generation** |
| 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 ≥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** |
| Revision date | **2026-11-12** |

| | |
|---|---|
| Disclaimer | **Information is believed accurate but is provided without warranty. Recipients must verify suitability for intended use and regulatory obligations. For official archival use, download the certified PDF when published.** |


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