

# SAFETY DATA SHEET

## 4-Fluorophenibut hydrochloride

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### Section 1: Identification

**Product name:**

4-Fluorophenibut hydrochloride

**Chemical name:**

4-amino-3-(4-fluorophenyl)butanoic acid hydrochloride

**CAS number:**

52237-19-1

**Molecular formula:**

C<sub>10</sub>H<sub>13</sub>ClFNO<sub>2</sub>

**Molecular weight:**

233.67 g/mol

**Recommended use:**

Laboratory research use only

**Uses advised against:**

Not for food, drug, cosmetic or household use.

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### 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

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### **Section 3: Composition / information on ingredients**

**Substance:**

4-Fluorophenibut hydrochloride

**CAS:**

52237-19-1

**Molecular formula:**

C<sub>10</sub>H<sub>13</sub>ClFNO<sub>2</sub>

**Molecular weight:**

233.67 g/mol

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

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### **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.

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### **Section 5: Fire-fighting measures**

**Suitable extinguishing media**

Water spray, dry chemical, foam or carbon dioxide.

**Hazardous combustion products**

Carbon oxides, nitrogen oxides, hydrogen chloride and hydrogen fluoride may form during combustion.

**Advice for firefighters**

Wear self-contained breathing apparatus and full protective clothing.

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**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.

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**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.

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**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.

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### **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 water and ethanol

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### **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, hydrogen chloride and hydrogen fluoride.

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### **Section 11: Toxicological information**

May cause skin irritation and serious eye irritation.

May cause respiratory irritation.

Toxicological properties have not been fully investigated.

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### **Section 12: Ecological information**

No specific ecological data available.

Avoid uncontrolled release to the environment.

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### **Section 13: Disposal considerations**

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

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#### **Section 14: Transport information**

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

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#### **Section 15: Regulatory information**

This substance is supplied for laboratory research purposes only.

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#### **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.