

Safety Data Sheet (SDS)

Section 1: Identification

- **1.1 Product Identification**
- **Product Name:** 3-Chloro-4-(2-pyridylmethoxy)aniline
- **Synonyms:** 3-Chloro-4-(pyridin-2-ylmethoxy)aniline; Neratinib Impurity 23;
Benzenamine, 3-chloro-4-(2-pyridinylmethoxy)-
- **Product Number:** Sigma-1492025179
- **Brand:** Sigma
- **CAS Number:** 524955-09-7
- **EC Number:** 810-012-5
- **Molecular Formula:** C₁₂H₁₁ClN₂O
- **Molecular Weight:** 234.68 g/mol
- **Website:** [Sigma Chemical](#)
- **1.2 Supplier Details****Company Name:** Sigma Chemical Co., Ltd.
- **Address:** Room 2-1-2301, Jiahe Xinxing, No.130, Shandong Road, Shibei
District, Qingdao City, Shandong Province, China
- **Phone Number:** +8618661891880
- **Email:** chemweb3@foxmail.com

- **Business Hours:**
- Monday to Friday: 9:00 AM - 6:00 PM
- Saturday: 9:00 AM - 1:00 PM
- Sunday: Closed
- **1.3 Emergency Contact NumberEmergency Contact:** +8618661891880
- **1.4 Recommended Use and Restrictions**
- **Recommended Use:** For research and development purposes only. Use as a laboratory reagent.

Restrictions: Not for drug, household, or other use.

Section 2: Hazard Identification

- **2.1 GHS ClassificationSkin Corrosion/Irritation:** Category 2, H315 (Causes skin irritation)
- **Serious Eye Damage/Eye Irritation:** Category 2, H319 (Causes serious eye irritation)
- **Acute Toxicity (Oral):** Category 4, H302 (Harmful if swallowed) *
- **Acute Toxicity (Dermal):** Category 4, H312 (Harmful in contact with skin) *
- **Acute Toxicity (Inhalation):** Category 4, H332 (Harmful if inhaled) *

- **Specific Target Organ Toxicity (Single Exposure):** Category 3, H335 (May cause respiratory irritation) *

*Based on aggregated GHS data from ECHA C&L notifications.

- **2.2 GHS Label ElementsPictogram:** GHS07 (Exclamation mark)

- **Signal Word:** Warning

- **Hazard Statements:**

- H302: Harmful if swallowed
- H312: Harmful in contact with skin
- H315: Causes skin irritation
- H319: Causes serious eye irritation
- H332: Harmful if inhaled
- H335: May cause respiratory irritation

- **Precautionary Statements:**

- **Prevention:**

- P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
- P264: Wash skin thoroughly after handling.
- P270: Do not eat, drink or smoke when using this product.

- P280: Wear protective gloves/protective clothing/eye protection/face protection.

- **Response:**

- P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
- P302+P352: IF ON SKIN: Wash with plenty of water.
- P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P312: Call a POISON CENTER or doctor/physician if you feel unwell.
- P332+P313: If skin irritation occurs: Get medical advice/attention.
- P337+P313: If eye irritation persists: Get medical advice/attention.
- **Storage:**
- P403+P233: Store in a well-ventilated place.
- Keep container tightly closed.

Disposal: P501: Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other Hazards

This substance does not contain components considered to be PBT, vPvB, or to have endocrine disrupting properties at levels of 0.1% or higher.

Section 3: Composition/Information on Ingredients

- **3.1 Substance****Chemical Name:** 3-Chloro-4-(2-pyridylmethoxy)aniline
- **CAS Number:** 524955-09-7
- **EC Number:** 810-012-5
- **Molecular Formula:** C₁₂H₁₁ClN₂O
- **Molecular Weight:** 234.68 g/mol
- **Hazardous Components:**
- **Component:** 3-Chloro-4-(2-pyridylmethoxy)aniline
- **Concentration:** >= 90 - <= 100%
- **Classification:**
- Skin Irrit. 2, H315
- Eye Irrit. 2, H319
- Acute Tox. 4 (Oral), H302
- Acute Tox. 4 (Dermal), H312
- Acute Tox. 4 (Inhalation), H332

STOT SE 3, H335

- **Section 4: First Aid Measures**

- **Inhalation:**

- Remove victim to fresh air.
- If breathing is difficult or if feeling unwell, call a POISON CENTER or doctor.

- **Skin Contact:**

- Take off contaminated clothing immediately.
- Wash skin with plenty of water for at least 15 minutes.
- If skin irritation occurs, get medical advice/attention.

- **Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.

Ingestion:

Rinse mouth.

Do NOT induce vomiting.

Call a POISON CENTER or doctor/physician immediately.

4.2 Most Important Symptoms and Effects

Symptoms may include skin irritation, eye irritation, and respiratory irritation.

4.3 Immediate Medical Attention

Treat symptomatically. No specific antidote known.

- **Section 5: Firefighting Measures**

- **Suitable Extinguishing Media:** Dry powder, CO₂, foam, water spray.
- **Hazardous Combustion Products:**
 - Carbon monoxide (CO), carbon dioxide (CO₂), nitrogen oxides (NO_x), hydrogen chloride (HCl) gas.

Advice for Firefighters:

Wear self-contained breathing apparatus and full protective gear. Use extinguishing measures appropriate to the surrounding environment.

- **Section 6: Accidental Release Measures**

- **Personal Precautions:** Wear appropriate PPE. Avoid dust formation. Ensure adequate ventilation.
- **Environmental Precautions:** Prevent product from entering drains, sewers, or waterways.
- **Containment and Cleanup:** Collect spillage using a method that minimizes dust generation (e.g., with a dedicated dust collector or wet vacuum). Place in a

sealed container for disposal.

- **Section 7: Handling and Storage**

- **Handling:**

- Use in a well-ventilated area. Avoid contact with skin, eyes, and clothing. Avoid breathing dust. Use spark-proof tools and explosion-proof equipment.

Storage: Store in a cool, dry, well-ventilated place. Keep container tightly closed. Store away from oxidizing agents.

- **Section 8: Exposure Controls/Personal Protection**

- **Engineering Controls:**

- Use local exhaust ventilation to maintain exposure below occupational limits.

- **Personal Protective Equipment (PPE):**

- **Eye/Face Protection:** Safety glasses or face shield.

- **Skin Protection:** Wear protective gloves and clothing.

- **Respiratory Protection:** If ventilation is insufficient, use a respirator protection against dusts.

- **Hygiene Measures:** Wash hands thoroughly after handling.
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- **Section 9: Physical and Chemical Properties**

- **Appearance:** White to yellow solid.
 - **Odor:** Not available.
 - **Melting Point:** 93 °C
 - **Molecular Weight:** 234.68 g/mol
 - **Solubility:** Not fully available.
 - **Partition coefficient (n-octanol/water):** Not available.
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- **Section 10: Stability and Reactivity**

- **Reactivity:** Stable under recommended storage conditions.
- **Incompatible Materials:** Strong oxidizing agents.

Hazardous Decomposition Products: CO, CO₂, NO_x, HCl.