

## Section 1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

### 1.1 Product identifiers

Product Name: ANA-12

Catalogue Number: A-215

IUPAC Name: N-[2-[(2-oxoazepan-3-yl)carbamoyl]phenyl]-1-benzothiophene-2-carboxamide

EC Number: 803-090-7

—

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Laboratory chemicals, synthesis of substances. For research purposes only. Not for human or veterinary use.

### 1.3 Details of the supplier of the safety data sheet

Company: Alomone Labs	Telephone: +972-2-587-2202
Jerusalem BioPark (JBP)	Fax: +972-2-587-1101
PO Box 4287	Internet: <a href="http://www.alomone.com">www.alomone.com</a>
Jerusalem 9104201	E-mail: <a href="mailto:info@alomone.com">info@alomone.com</a>
Israel	

### 1.4 Emergency telephone number

Telephone: +972-2-587-2202 (Sun-Thu 08.00-18.00 IST)

## Section 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

Acute toxicity, (Category 4) H302: Harmful if swallowed.

### 2.2 Label elements

Signal Word	Danger
Hazard Statements	
H302	Harmful if swallowed.
Precautionary Statements	
P264	Wash skin thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P301 + P312	IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell.
P501	Dispose of contents/ container to an approved waste disposal plant.
Supplemental Hazard Statements	none

### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very

persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher. Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher. Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

---

### Section 3. COMPOSITION / INFORMATION ON INGREDIENTS

#### 3.1 Substances

Product name: ANA-12

CAS Number: 219766-25-3

Molecular Formula:  $C_{22}H_{21}N_3O_3S$

Molecular Weight: 407.49

---

### Section 4. FIRST AID MEASURES

#### 4.1 Description of first aid measures

In all cases of exposure, obtain medical advice.

**Inhalation:** Move to fresh air and monitor breathing. If breathing becomes difficult give oxygen. If breathing stops give artificial respiration. Obtain medical attention.

**Skin Contact:** Wash off immediately with plenty of water while removing all contaminated clothing. Wash before reuse.

**Eye Contact:** Hold eyelids apart and flush eyes with plenty of water.

**Ingestion:** Rinse mouth with plenty of water. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

#### 4.2 Most important symptoms and effects, both acute and delayed

No information available.

#### 4.3 Indication of any immediate medical attention and special treatment needed

Show this safety data sheet to the professional medical staff. Immediate medical attention is required.

---

### Section 5. FIRE FIGHTING MEASURES

#### 5.1 Suitable extinguishing media

Use dry chemical or carbon dioxide.

#### 5.2 Special hazards arising from the substance or mixture

Thermal decomposition can lead to release of toxic and corrosive gases/vapors.

#### 5.3 Precautions for fire-fighters

Wear self-contained breathing apparatus for firefighting and protective clothing to prevent contact with skin and eyes.

---

### Section 6. ACCIDENTAL RELEASE MEASURES

#### 6.1 Personal precautions, protective equipment and emergency procedures

Do not take action without suitable protective clothing. Evacuate personnel to safe areas. Ensure adequate ventilation. Avoid dust formation. Avoid breathing vapors, mist or gas.

## 6.2 Environmental precautions

Do not let product enter drains.

## 6.3 Containment and clean-up methods and materials

Cover liquid spill with sand, earth or other non-combustible absorbent material. Cover powder spill with plastic sheet or tarp to minimize spreading. Sweep up and shovel. Keep in suitable, closed containers for disposal.

---

## Section 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Keep away from heat. Keep away from source of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Avoid contact with skin. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid the formation and inhalation of dust/fumes. If ingested, seek medical advice immediately and show the container or the label.

### 7.2 Conditions for safe storage

Keep container tightly closed. Keep container in a cool, well-ventilated area. Keep away from direct sunlight. Shipped at room temperature. Product as supplied can be stored intact at room temperature for several weeks. For longer periods, it should be stored at +4°C

---

## Section 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 Exposure guidelines

Contains no substances with occupational exposure limit values.

### 8.2 Exposure controls

Ensure adequate ventilation, especially in confined areas. Use in a fume hood where applicable. Ensure laboratory is equipped with a safety shower and eye wash station. General industrial hygiene practice.

### Personal protective equipment

**Eye/face:** Safety goggles.

**Skin:** Chemical resistant gloves. Gloves should be inspected before use. Wash and dry hands thoroughly after handling.

**Body:** Wear appropriate protective clothing. Remove and wash contaminated clothing before re-use.

**Respiratory protection:** Use a suitable respirator as conditions warrant.

---

## Section 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Basic physical and chemical properties

- a) Physical state: solid
- b) Color: No data available
- c) Odor: No data available
- d) Melting point/freezing point: No data available
- e) Initial boiling point and boiling range: No data available
- f) Flammability (solid, gas): No data available
- g) Upper/lower flammability or explosive limits: No data available
- h) Flash point: No data available: No data available
- i) Decomposition temperature: No data available
- j) Autoignition temperature: No data available
- k) pH: No data available

- l) Viscosity: Viscosity, kinematic: No data available Viscosity, dynamic: No data available
- m) Water solubility: No data available
- n) Partition coefficient: n-octanol/water: log Pow: 3,849
- o) Vapor pressure: No data available
- p) Density Relative density: No data available
- q) Relative vapor density: No data available
- r) Particle characteristics: No data available
- s) Explosive properties: No data available
- t) Oxidizing properties: none

## 9.2 Other information

No data available

---

## Section 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

Stable under recommended transport or storage conditions.

### 10.2 Chemical stability

Stable under recommended conditions.

### 10.3 Possibility of hazardous reactions

Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.

### 10.4 Conditions to avoid

Heat.

### 10.5 Incompatible materials

Strong oxidizing agents, strong acids/bases.

### 10.6 Hazardous combustion or decomposition products

May emit toxic gases upon thermal decomposition.

---

## Section 11. TOXICOLOGICAL INFORMATION

### 11.1 Toxicological effects

Acute toxicity

Oral: No data available

Inhalation: No data available

Dermal: No data available

Skin corrosion/irritation No data available

Serious eye damage/eye irritation

Remarks: No data available

Respiratory or skin sensitization No data available

Germ cell mutagenicity No data available

Carcinogenicity No data available

Reproductive toxicity No data available

Specific target organ toxicity - single exposure No data available

Specific target organ toxicity - repeated exposure No data available

Aspiration hazard No data available

## 11.2 Additional Information

Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

---

## Section 12. ECOLOGICAL INFORMATION

### 12.1 Toxicity

No data available.

### 12.2 Persistence and degradability

No data available.

### 12.3 Bio-accumulative potential

No data available.

### 12.4 Mobility in soil

No data available.

### 12.5 Results of PBT and vPvB assessment

No data available.

### 12.6 Other adverse effects

No data available.

---

## Section 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste methods

#### Product

Transfer to a suitable container and arrange for collection by specialized disposal company in accordance with federal, state and local environmental control regulations.

#### Contaminated packaging

Dispose in a regulated landfill site or other method for hazardous or toxic waste in accordance with federal, state and local environmental control regulations.

---

## Section 14. TRANSPORT INFORMATION

**ADR** Not dangerous goods.

**IATA** Not dangerous goods.

**DOT** Not dangerous goods.

**TGD** Not dangerous goods.

**IMDG/IMO** Not dangerous goods.

---

## **Section 15. REGULATORY INFORMATION**

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

### **15.1 Chemical safety assessment**

None has been made for this product.

---

## **Section 16. OTHER INFORMATION**

H302 Harmful if swallowed.

The above information is believed to be correct but does not purport to be all inclusive and should be used as a guide only for experienced personnel. Always consult your safety advisor and follow local and national safety legislation. The absence of warning may not, under any circumstances, be taken to mean that no hazard exists. Alomone Labs disclaims all liability for any damage resulting from use of this material.

**Last modified: May 29, 2025**

**Document creation date: May 29, 2025**