



Datasheet for ABIN5022329

## AICAR



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### 1 Image

#### Overview

Quantity: 10 mg

#### Product Details

Purpose: Autophagy inducer

Purity: >99 % (TLC), NMR (Conforms)

Chemical Name: N1-( $\beta$ -D-Ribofuranosyl)-5-aminoimidazole-4-carboxamide

Formula: C<sub>9</sub>H<sub>14</sub>N<sub>4</sub>O<sub>5</sub>

Solubility: Soluble to 75 mM in water and to 75 mM in DMSO.

#### Target Details

Molecular Weight: 258.2

CAS-No: 2627-69-2

#### Application Details

Comment: Source: Synthetic .  
Appearance: Off-white solid.

Restrictions: For Research Use only

#### Handling

Format: Solid

Precaution of Use: Classification: D2B- Toxic Material Causing Other Toxic Effects, Moderate skin irritant,

## Handling

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Moderate respiratory irritant, Moderate eye irritant Safety Phrases: S22 - Do not breathe dust. S24/25 - Avoid contact with skin and eyes. S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection. Hazard statements: H315- Causes skin irritation. H319- Causes serious eye irritation. H335- May cause respiratory irritation. Precautionary statements: P261- Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. P264- Wash skin thoroughly after handling. P271- Use only outdoors or in a well-ventilated area. P280- Wear protective gloves/ eye protection/ face protection. P302 + P352- IF ON SKIN: Wash with plenty of soap and water. P304 + P340- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P305 + P351 + P338- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P312- Call a POISON CENTER or doctor/ physician if you feel unwell. P321- Specific treatment (see supplemental first aid instructions on this label). P332 + P313- If skin irritation occurs: Get medical advice/ attention. P337 + P313- If eye irritation persists: Get medical advice/ attention. P362- Take off contaminated clothing and wash before reuse. P403 + P233- Store in a well-ventilated place. Keep container tightly closed. P405- Store locked up. P501- Dispose of contents/ container to an approved waste disposal plant.

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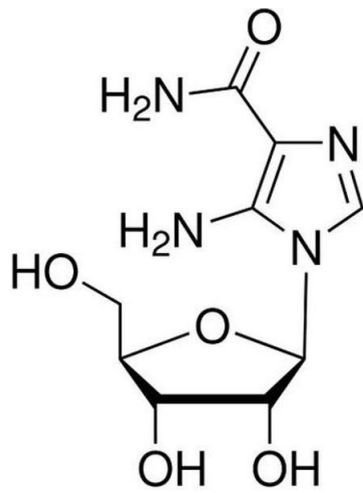
### Handling Advice:

Classification: D2B- Toxic Material Causing Other Toxic Effects, Moderate skin irritant, Moderate respiratory irritant, Moderate eye irritant Safety Phrases: S22 - Do not breathe dust. S24/25 - Avoid contact with skin and eyes. S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection. Hazard statements: H315- Causes skin irritation. H319- Causes serious eye irritation. H335- May cause respiratory irritation. Precautionary statements: P261- Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. P264- Wash skin thoroughly after handling. P271- Use only outdoors or in a well-ventilated area. P280- Wear protective gloves/ eye protection/ face protection. P302 + P352- IF ON SKIN: Wash with plenty of soap and water. P304 + P340- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P305 + P351 + P338- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P312- Call a POISON CENTER or doctor/ physician if you feel unwell. P321- Specific treatment (see supplemental first aid instructions on this label). P332 + P313- If skin irritation occurs: Get medical advice/ attention. P337 + P313- If eye irritation persists: Get medical advice/ attention. P362- Take off contaminated clothing and wash before reuse. P403 + P233- Store in a well-ventilated place. Keep container tightly closed. P405- Store locked up. P501- Dispose of contents/ container to an approved waste disposal plant.

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### Storage:

-20 °C



### Molecule

**Image 1.** Chemical structure of AICAR , a Autophagy inducer. CAS #: 2627-69-2 . Molecular Formula: C<sub>9</sub>H<sub>14</sub>N<sub>4</sub>O<sub>5</sub>. Molecular Weight: 258.2 g/mol.