

## MATERIAL SAFETY DATA SHEET

### \*\*\*\* SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION \*\*\*\*

**Name (s):** hCA-II inhibitor-1 , hCAII-1, CA-II inhibitor, carbonic anhydrase inhibitor, Small molecule inhibitor-1 of human carbonic anhydrase-II enzyme

**Catalog Number(s):** hCAII-1-5mg, hCAII-1-10mg, and hCAII-1-25mg

**Company Identification:**

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### \*\*\*\* SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS \*\*\*\*

Chemical Product Name	Chemical Formula or SMILES	Molecular Weight	Purity (NMR-H)%	Hazard Symbols	Risk Phrases
hCAII-1	C18H15FN2 O3S3	422.52	>95	Xi	36/37/38

### \*\*\*\* SECTION 3 - HAZARDS IDENTIFICATION \*\*\*\*

**Specific identification of hazards to human and environment:**

Irritating to eyes, respiratory system and skin. May be harmful if swallowing.

**\*\*\*\*SECTION 4 - FIRST AID MEASURES\*\*\*\***

**Inhalation:** If inhaled, remove to fresh air immediately. If breathing is difficult, give oxygen. Get medical aid.

**Skin:** In case contact, immediately wash skin with soap and copious amount of water

**Eyes:** In case contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical aid.

**Ingestion:** If swallowed, wash mouth with water provided person is conscious. Get medical aid.

**\*\*\*\* SECTION 5 - FIRE FIGHTING MEASURES \*\*\*\***

**Extinguishing Media:**

Suitable: Water spray, carbon dioxide, dry chemical powder.

**Special risks**

Specific Hazard: May emit toxic fumes under fire conditions.

**Special protective equipment for firefighters:**

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

**\*\*\*\*SECTION 6 - ACCIDENTAL RELEASE MEASURES \*\*\*\***

**Procedure(s) of personal precaution (s)**

Wear self-contained breathing apparatus, and heavy rubber gloves. Methods for cleaning up

Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash site after material pickup in complete.

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\*\*\*\* SECTION 7 - HANDLING and STORAGE \*\*\*\*

**Handling:** Avoid contact with skin and eyes and inhalation. Ensure good ventilation at the workplace.

**Storage:** Keep away from sources of ignition. Store in cool, dry place. Store in a tightly closed container.

\*\*\*\* SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION \*\*\*\*

**Engineering Controls:** Safety shower and eye bath. Mechanical exhaust required.

**Personal Protective Equipment**

**Eyes:** Wear appropriate protective eyeglasses or chemical safety goggles

**Skin:** Wear appropriate protective gloves to prevent skin exposure.

**Respirators:** Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN149 approved respirator when necessary.

\*\*\*\* SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES \*\*\*\*

**Physical State:** Solid

**Color:** May change color during storage

**Odor:** N/A

**pH:** N/A

**Viscosity:** N/A

**Boiling Point:** N/A

**Melting Point:** N/A

**Flash Point:** N/A

**Water Content, %:** N/A

**Solubility in Water:** N/A

**Explosion Limits:** Product does not present an explosion hazard

**Auto ignition Temperature:** N/A

**Specific Gravity/Density:** N/A

**\*\*\*\* SECTION 10 - STABILITY AND REACTIVITY \*\*\*\***

**Chemical stability:** Stable at recommend conditions

**Incompabilities with Other Materials:** Oxidizing agents, strong acids

**Hazardous Decomposition Products:** Carbon monoxide, carbon dioxide, nitrogen oxides

**Hazardous Polymerization:** Has not been reported.

**\*\*\*\* SECTION 11-TOXICOLOGICAL INFORMATION \*\*\*\***

**Sign and Symptoms:** Irritant to skin, eye and Mucous membranes

**LD50/LC50:** Not available.

**Carcinogenicity:** Not listed by ACGIH, TARC, NIOSH, NTP, or OSHA

**Toxicological properties** of the compound have not been fully determined.

**\*\*\*\* SECTION 12 - ECOLOGICAL INFORMATION \*\*\*\***

No data available.

**\*\*\*\* SECTION 13 - DISPOSAL CONSIDERATIONS \*\*\*\***

Dispose of in a manner consistent with federal, state, and local regulations

**\*\*\*\* SECTION 14 - TRANSPORT INFORMATION \*\*\*\***

**IATA** Non-hazardous for air transport

**IMDG** Non-hazardous for sea transport

**RID/ADR** Non-hazardous for road transport

**\*\*\*\* SECTION 15 - REGULATORY INFORMATION \*\*\*\***

**International Regulations:**

**Hazard Symbols:** Xi Irritant

**Risk Phrases:**

R 36/37/38 - Irritating to eyes, respiratory system and skin.

**Safety Phrases:**

S 26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.

**WGK (Water Danger/Protection) :**

No information available.

**Information about limitation of use:**

It is for research and development use only.

**\*\*\*\* SECTION 16 - ADDITIONAL INFORMATION\*\*\*\***

MSDS Generation Date: 03.03.2021 Revision #1

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