

MATERIAL SAFETY DATA SHEET
****** SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION ******

Name (s): hCA-II inhibitor-2 , hCAIIi-2, CA-II inhibitor, carbonic anhydrase inhibitor, Small molecule inhibitor-2 of human carbonic anhydrase-II enzyme

Catalog Number(s): hCAIIi-2-5mg, hCAIIi-2-10mg, and hCAIIi-2-25mg

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
hCAIIi-2	<chem>S=C3S\C(=C/c1c(Cl)cccc1Cl)C(=O)N3CCc2ccc(cc2)S(N)(=O)=O</chem>	473.42	>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.

**** 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

The information above is believed to be accurate and represents the best information currently available to us, however, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no Way shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages.