

Safety Data Sheet

Revision Date: Jan-01-2016

Product Name: Protease Inhibitor Cocktail (EDTA-Free, mini-Tablet)**Catalog Number:** HY-K0011

1. Composition

Ingredient	Chemical Name	Hazardous Ingredient	CAS Number	Molecular Weight	Molecular Formula
AEBSF	4-(2-Aminoethyl)benzenesulfonyl fluoride hydrochloride	AEBSF	30827-99-7	239.5	C ₈ H ₁₀ NO ₂ F × HCl
Aprotinin	Aprotinin	Aprotinin	9087-70-1	6511.44	C ₂₈₄ H ₄₃₂ N ₈₄ O ₇₉ S ₇
Bestatin	(2S)-2-[[[(2S,3R)-3-Amino-2-hydroxy-4-phenylbutanoyl] amino]-4-methylpentanoic acid	Bestatin	58970-76-6	308.4	C ₁₆ H ₂₄ N ₂ O ₄
E-64	trans-Epoxy succinyl-L-leucylamido(4-guanidino)butane L-trans-3-Carboxyoxiran-2-carbonyl-L-leucylagmatine N-(trans-Epoxy succinyl)-L-leucine 4-guanidinobutylamide	E-64	66701-25-5	357.4	C ₁₅ H ₂₇ N ₅ O ₅
Leupeptin	Leupeptin hemisulfate	Leupeptin	55123-66-5	475.6	Ac-Leu-Leu-argininal × ½ H ₂ SO ₄

2. Handling and Storage

HANDLING - Do not breathe dust. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure. STORAGE - Please store the product under the recommended conditions in the Certificate of Analysis.

3. Stability and Reactivity

STABILITY - Stable under normal handling conditions.

MATERIALS TO AVOID - Strong oxidizing agents.

REACTIVITY - May emit toxic gasses like Carbon monoxide, Carbon dioxide, Nitrogen oxides upon thermal decomposition.

4. Hazards Identification

Special indication of hazards to humans and the environment. Irritating to eyes, respiratory system and skin.

5. First Aid

INHALATION - If inhaled, remove to fresh air. If not breathing give, artificial respiration. If breathing is difficult, give oxygen.

SKIN CONTACT - In case of contact, immediately wash skin with soap and copious amounts of water.

EYE CONTACT - In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes.

INGESTION - If swallowed, wash out mouth with water provided person is conscious. Call a physician.

6. Fire Fighting Measures

EXTINGUISHING MEDIA

Water spray - Carbon dioxide, dry chemical powder, or appropriate foam.

SPECIAL RISKS

Specific Hazard(s) - Emits toxic fumes under fire conditions.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS

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

7. Accident Release Measure

PROCEDURE(S) OF PERSONAL PRECAUTION(S) - Wear respirator, chemical safety goggles, rubber boots, 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 spill site after material pickup is complete.

8. Accident Release Measure

No data available.

9. Toxicological Information

To the best of our knowledge the chemical physical and toxicological properties have not been thoroughly investigated.

10. Regulatory Information

CLASSIFICATION - Substance not yet fully tested.

SAFETY PHASES - 26-36 (In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing.) 36/37/38 (Irritating to eyes, respiratory system and skin.)

11. Disposal Considerations

As specific country, federal, state and local environmental regulations vary and change frequently we suggest you contact a local, authorized waste disposal contractor for adequate disposal.

12. Transport Information

RID/ADR - Non-hazardous for road transport.

IMDG - Non-hazardous for sea transport.

IATA - Non-hazardous for air transport.

13. Other Information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Medchemexpress LLC shall not be held liable for any damage resulting from handling or from contact with the above product.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com

Address: 9 Deer Park Drive, Suite K2, Monmouth Junction, NJ 08852, USA