

Navitoclax (ABT-263) SDS | MSDS

1. PRODUCT AND COMPANY IDENTIFICATION

Product identifier

- **Product Name:** Navitoclax (ABT-263)
- **Catalog Number:** S1001
- **CAS Number:** 923564-51-6
- **IUPAC Name:** 4-[4-[[2-(4-chlorophenyl)-5,5-dimethyl-1-cyclohexen-1-yl]methyl]-1-piperazinyl]-N-[[4-[[[(1R)-3-(4-morpholinyl)-1-[(phenylthio)methyl]propyl]amino]-3-[(trifluoromethyl)sulfonyl]phenyl]sulfonyl]-benzamide

Relevant identified uses and uses advised against

- **Identified uses:** For research and development use only; laboratory chemicals; manufacture of substances.
- **Uses advised against:** Not for pharmaceutical, household, or other unapproved uses.

Details of the supplier

- **Company :** Selleck Chemicals
- **TollFree :** +1 877 796-6397
- **Tel :** +1 832 582-8158
- **Fax :** +1 832 582-8590

Emergency telephone number

- **Emergency phone #:** +1 832 582-8158

2. HAZARDS IDENTIFICATION

This substance is not classified as hazardous according to EC Directives 67/548/EEC, 1999/45/EC, or 1272/2008. Consequently, the product does not require specific labeling under current EC directives or national legislation. There are no other identified hazards.

3. COMPOSITION/INFORMATION ON INGREDIENTS

The product is a substance identified as ABT 263 (Navitoclax).

- **Chemical Name:** 4-[4-[[2-(4-chlorophenyl)-5,5-dimethyl-1-cyclohexen-1-yl]methyl]-1-piperazinyl]-N-[[4-[[[(1R)-3-(4-morpholinyl)-1-[(phenylthio)methyl]propyl]amino]-3-[(trifluoromethyl)sulfonyl]phenyl]sulfonyl]-benzamide
- **Molecular Weight:** 974.62
- **CAS Number:** 923564-51-6

4. FIRST AID MEASURES

- **General Advice:** Consult a physician and present this safety data sheet.
- **Inhalation:** Move the individual to fresh air and monitor breathing. If breathing is difficult, administer oxygen; if breathing has stopped, perform artificial respiration and seek medical attention.
- **Skin Contact:** Wash the affected area with soap and water for at least 15 minutes. Remove contaminated clothing and shoes, ensuring they are laundered before reuse. Consult a physician.
- **Eye Contact:** Flush eyes with copious amounts of water for at least 15 minutes and consult a physician.
- **Ingestion:** Rinse the mouth with water. Do not induce vomiting unless instructed by medical personnel. Never give anything by mouth to an unconscious person. Consult a physician.
- **Symptoms:** The chemical, physical, and toxicological properties have not been fully investigated.
- **Medical Attention:** Immediate medical attention is required; show this SDS to the attending physician.

5. FIRE-FIGHTING MEASURES

- **Extinguishing Media:** Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.
- **Special Hazards:** Combustion may result in the emission of toxic fumes.
- **Precautions for Firefighters:** Wear self-contained breathing apparatus and suitable protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

- **Personal Precautions:** Use suitable protective equipment. Evacuate personnel to safe areas and ensure adequate ventilation. Avoid breathing vapors, mist, powder, or gas.
- **Environmental Precautions:** Prevent the product from entering drains.
- **Cleanup Methods:** Cover the spill with suitable absorbent material. Sweep up the powder and place it in an appropriate container for disposal according to Section 13.

7. HANDLING AND STORAGE

- **Handling:** Use within a chemical fume hood with an independent air supply. Avoid inhalation and contact with eyes, skin, and clothing. Prevent the formation of powder and aerosols. Ensure the area is well-ventilated and kept away from ignition sources.
- **Storage:** Store in a cool, well-ventilated area away from direct sunlight. Keep containers tightly sealed. The recommended storage temperature is -20°C.
- **Specific End Uses:** Use in a laboratory fume hood where possible, following the employer's COSHH risk assessment.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- **Control Parameters:** Contains no substances with established occupational exposure limit values.
- **Engineering Controls:** Use in a fume hood. Ensure safety showers and eye wash stations are available.
- **Personal Protective Equipment:**

- **Eye/Face:** Use appropriate safety glasses.
- **Skin:** Use chemical-resistant gloves (minimum BS EN 374:2003). Inspect gloves before use and wash hands thoroughly.
- **Body:** Wear appropriate protective clothing.
- **Respiratory:** Use a suitable respirator if a risk assessment indicates it is necessary.

9. PHYSICAL AND CHEMICAL PROPERTIES

- **Appearance:** Off White powder
- **Solubility:** Soluble to 100 mM in DMSO
- **Vapor Pressure/Density:** N/A
- **Odor/Threshold:** N/A
- **pH:** N/A
- **Melting/Freezing Point:** N/A
- **Boiling Point/Range:** N/A
- **Flash Point:** N/A
- **Evaporation Rate:** N/A
- **Flammability:** N/A
- **Upper/Lower Explosive Limits:** N/A
- **Relative Density:** N/A
- **Partition Coefficient:** N/A
- **Auto-ignition Temperature:** N/A
- **Decomposition Temperature:** N/A
- **Viscosity:** N/A
- **Explosive/Oxidizing Properties:** N/A

10. STABILITY AND REACTIVITY

- **Reactivity:** Stable under recommended transport or storage conditions.
- **Chemical Stability:** Stable under recommended storage conditions.
- **Hazardous Reactions:** Will not occur under normal conditions. Decomposition may occur if exposed to specific conditions or incompatible materials.
- **Conditions to Avoid:** Heat and moisture.
- **Incompatible Materials:** Strong acids/alkalis and strong oxidizing/reducing agents.
- **Hazardous Decomposition Products:** May emit toxic fumes during combustion.

11. TOXICOLOGICAL INFORMATION

- **Acute Toxicity:** N/A.
- **Skin/Eye/Sensitization:** Classification criteria are not met based on available data.

- **Mutagenicity/Carcinogenicity/Reproductive Toxicity:** Classification criteria are not met based on available data.
- **STOT (Single/Repeated):** Classification criteria are not met based on available data.
- **Aspiration Hazard:** Classification criteria are not met based on available data.
- **Routes of Exposure:** Inhalation may cause throat irritation and chest tightness; ingestion may cause throat irritation; skin contact may cause mild irritation; eye contact may cause irritation and redness.
- **Additional Information:** RTECS No: CV2467355. Exposure may irritate mucous membranes and the respiratory tract. Properties have not been fully investigated.

12. ECOLOGICAL INFORMATION

- **Toxicity:** N/A.
- **Persistence and Degradability:** N/A.
- **Bioaccumulative Potential:** N/A.
- **Mobility in Soil:** N/A.
- **PBT and vPvB Assessment:** N/A.
- **Other Adverse Effects:** N/A.

13. DISPOSAL CONSIDERATIONS

- **Product:** Transfer to a suitable container and arrange for collection by a specialized disposal company in accordance with national legislation.
- **Contaminated Packaging:** Dispose of in a regulated landfill or via other methods for hazardous/toxic waste in accordance with national legislation.

14. TRANSPORT INFORMATION

The product is classified according to UN Model Regulations, IMDG Code, ADR, RID, and IATA.

- **UN Number/Proper Shipping Name:** Does not meet criteria for classification as hazardous for transport.
- **Transport Hazard Class/Packaging Group:** Does not meet criteria for classification as hazardous for transport.
- **Environmental Hazards:** Not classified as environmentally hazardous or a marine pollutant.
- **Special Precautions:** N/A.

15. REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 453/2010.

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

N/A

California Proposition 65

Not applicable

15.2 Chemical safety assessment

A Chemical Safety Assessment has not been made for this product.

16. OTHER INFORMATION

Revision Date: 2026/05/28

Further Information: The information provided is believed to be correct but is not exhaustive and should be used only as a guideline based on current knowledge. It does not represent a guarantee of the properties of the product. Selleck Chemicals Corporation and its Affiliates shall not be held liable for any damage resulting from handling or contact with the product.