

# Fulvestrant (ICI-182780) SDS | MSDS

## 1.PRODUCT AND COMPANY IDENTIFICATION

### Product identifier

- **Product Name:** Fulvestrant (ICI-182780)
- **Catalog Number:** S1191
- **CAS Number:** 129453-61-8
- **IUPAC Name:** 7-[9-[(4,4,5,5,5-pentafluoropentyl)sulfinyl]nonyl]- (7 $\alpha$ ,17 $\beta$ )-estra-1,3,5(10)-triene-3,17-diol

### 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

### GHS Classification:

- Reproductive toxicity: Category 1B
- Effects on or via lactation
- Long-term (chronic) aquatic hazard: Category 1

### GHS Label Elements:

#### Pictogram:



**Signal Word:** Danger

### Hazard Statements:

- H360: May damage fertility or the unborn child.
- H362: May cause harm to breast-fed children.

- H410: Very toxic to aquatic life with long lasting effects.

**Precautionary Statements:**

- **Prevention:** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe powder. Avoid contact during pregnancy/while nursing. Wash skin thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.
- **Response:** IF exposed or concerned: Get medical advice/attention. Collect spillage.
- **Storage:** Store locked up.
- **Disposal:** Dispose of contents/container to an approved waste disposal plant.

**Other Hazards:** None known.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Substance/Mixture:** Substance

**Components:**

- **Chemical Name:** Fulvestrant
- **CAS-No.:** 129453-61-8
- **Concentration:**  $\geq 90$  -  $\leq 100\%$
- **Note:** Actual concentration is withheld as a trade secret.

### 4. FIRST AID MEASURES

**General Advice:** Present this safety data sheet to the attending physician.

**If Inhaled:** Move to fresh air. Contact a physician.

**In Case of Skin Contact:** Immediately remove all contaminated clothing. Rinse skin with water or shower. Consult a physician.

**In Case of Eye Contact:** Rinse thoroughly with plenty of water. Remove contact lenses. Consult an ophthalmologist.

**If Swallowed:** Provide the victim with a maximum of two glasses of water. Consult a physician immediately.

**Most Important Symptoms and Effects:** The most important known symptoms and effects are described in the hazard identification (Section 2) and toxicological information (Section 11).

**Notes to Physician:** N/A.

### 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media:** Water, foam, carbon dioxide (CO<sub>2</sub>), or dry powder.

**Unsuitable Extinguishing Media:** No limitations of extinguishing agents are specified for this substance.

**Specific Hazards:** The product is combustible. Hazardous combustion gases or vapors, including carbon oxides, sulfur oxides, and hydrogen fluoride, may be released in the event of a fire.

**Special Protective Equipment for Firefighters:** Wear self-contained breathing apparatus and suitable protective clothing. Maintain a safe distance.

**Further Information:** Use water spray to suppress gases/vapors/mists. Prevent fire extinguishing water from entering surface water or groundwater systems.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Avoid inhalation of powder. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area and consult an expert. For personal protection, see Section 8.

**Environmental Precautions:** Do not allow the product to enter drains.

**Methods for Containment and Cleaning Up:** Cover drains. Collect, bind, and pump off spills. Observe material restrictions. Take up carefully and dispose of properly. Clean the affected area and avoid the generation of powder.

## 7. HANDLING AND STORAGE

**Advice on Safe Handling:** Work under a hood. Do not inhale the substance or mixture.

**Conditions for Safe Storage:** Keep the container tightly closed and dry in a well-ventilated place. Store locked up or in an area accessible only to qualified or authorized persons.

**Storage Class:** 6.1C (Combustible, acute toxic Cat.3 / toxic compounds or compounds causing chronic effects).

**Recommended Storage Temperature:** 36 - 46 °F / 2 - 8 °C.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control Parameters:** Contains no substances with occupational exposure limit values.

**Engineering Measures:** N/A

**Personal Protective Equipment:**

- **Respiratory Protection:** Required when powder is generated. Recommended filter type P3 (based on DIN EN 143, DIN 14387).
- **Hand Protection:** Nitrile rubber gloves (0.11 mm thickness) with a breakthrough time of 480 minutes.
- **Eye Protection:** Safety glasses approved under government standards such as NIOSH (US) or EN 166 (EU).
- **Skin and Body Protection:** Protective clothing.

**Hygiene Measures:** Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face thoroughly after handling the substance.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** powder

**Color:** white

**Odor:** N/A

**Odor Threshold:** N/A

**pH:** N/A

**Melting Point/Range:** 219 - 234 °F / 104 - 112 °C (1,013 hPa)

**Boiling Point:** N/A

**Flash Point:** Not applicable

**Evaporation Rate:** N/A

**Flammability (powder, gas):** N/A

**Vapor Pressure:** N/A

**Relative Density:** N/A

**Water Solubility:** Practically insoluble (68 °F / 20 °C)

**Partition Coefficient (n-octanol/water):** log Pow: 8.1 (77 °F / 25 °C) (calculated)

**Autoignition Temperature:** N/A

**Decomposition Temperature:** N/A

**Viscosity:** N/A

**Explosive Properties:** Not classified as explosive

**Oxidizing Properties:** None

**Molecular Weight:** 606.77 g/mol

## 10. STABILITY AND REACTIVITY

**Reactivity:** Flammable organic substances in fine distribution may have powder explosion potential when whirled up.

**Chemical Stability:** Chemically stable under standard ambient conditions (room temperature).

**Possibility of Hazardous Reactions:** Violent reactions possible with strong oxidizing agents.

**Conditions to Avoid:** No information available.

**Incompatible Materials:** N/A.

**Hazardous Decomposition Products:** In the event of fire, see Section 5.

## 11. TOXICOLOGICAL INFORMATION

**Acute Toxicity:**

- Oral: Acute toxicity estimate 2,501 mg/kg.
- Inhalation/Dermal: N/A.

**Skin Corrosion/Irritation:** N/A.

**Serious Eye Damage/Irritation:** N/A.

**Respiratory or Skin Sensitization:** N/A.

**Germ Cell Mutagenicity:** N/A.

**Carcinogenicity:** No component of this product present at levels greater than or equal to 0.1% is identified as a probable, possible, or confirmed human carcinogen by IARC, NTP, or OSHA.

**Reproductive Toxicity:** May damage the unborn child. Suspected of damaging fertility. Studies indicate a hazard to babies during the lactation period.

**STOT - Single/Repeated Exposure:** N/A.

**Aspiration Hazard:** N/A.

**Additional Information:** RTECS: KG7623000. Based on human evidence, may cause stomach irregularities.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity (Fulvestrant):

- **Toxicity to Algae:** NOEC (Pseudokirchneriella subcapitata): 0.047 mg/l (72 h).
- **Toxicity to Fish:** NOEC (Pimephales promelas): 0.0000057 mg/l (42 d).
- **Toxicity to Daphnia:** NOEC (Daphnia magna): 0.01 mg/l (21 d).
- **M-Factor (Chronic Aquatic Toxicity):** 10,000.
- **Toxicity to Microorganisms:** IC50 (activated sludge): > 100 mg/l (3 h).

**Persistence and Degradability:** N/A.

**Bioaccumulative Potential:** Potential bioaccumulation (log Pow: 8.1).

**Mobility in Soil:** N/A.

**Other Adverse Effects:** This product does not contain Class I or Class II ozone-depleting substances as defined by the U.S. Clean Air Act.

## 13. DISPOSAL CONSIDERATIONS

**Disposal Methods:** Waste material must be disposed of in accordance with national and local regulations. Leave chemicals in their original containers. Do not mix with other waste. Handle uncleaned containers as if they contained the product itself.

## 14. TRANSPORT INFORMATION

**IATA-DGR:** Not regulated as a dangerous good.

**IMDG-Code:** Not regulated as a dangerous good.

**49 CFR Road:** Not regulated as a dangerous good.

**Poison Inhalation Hazard:** No.

**Special Precautions for User:** Not classified as dangerous in the meaning of transport regulations.

## 15. REGULATORY INFORMATION

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312 : Chronic Health Hazard

Hazards

SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

#### Clean Air Act

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM Intermediate or Final VOC's (40 CFR 60.489).

#### Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

This product does not contain any priority pollutants related to the U.S. Clean Water Act

#### US State Regulations

##### Massachusetts Right To Know

No components are subject to the Massachusetts Right to Know Act.

##### Maine Chemicals of High Concern

Product does not contain any listed chemicals

##### Vermont Chemicals of High Concern

Product does not contain any listed chemicals

##### Washington Chemicals of High Concern

Product does not contain any listed chemicals

The ingredients of this product are reported in the following inventories:

TSCA : Product contains substance(s) not listed on TSCA inventory.

#### TSCA list

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

## 16. OTHER INFORMATION

**Revision Date:** 2026/07/07

**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.