

Wuhan Xinru Chemical Industry Co., Ltd

Add: Room 2805, North Fuxinhuiyu, Changqing Road, Wuhan, China 430015

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Web: www.whxinru.cn

Product Identification

【Product Name】

17beta-Hydroxyestra-4,9,11-trien-3-one

【Synonyms】

17-beta-Trenbolone

Estra-4,9,11-trien-3-one, 17-beta-hydroxy

Estra-4,9,11-trien-3-one, 17-hydroxy-, (17-beta)-

RU-2341, Trienbolone

【CAS】 10161-33-8

【Formula】 C₁₈H₂₂O₂

【Molecular Weight】 270.37

【RTECS】 KG7752000

【Merck】 12,9716

【Beilstein/Gmelin】 5756203

Physical and Chemical Properties

【Appearance】 DEA Schedule III item.

【Solubility in water】 43 mg/L (25 C)

【Melting Point】 186

【Boiling Point】 491

【Vapor Pressure】 1.1E-11 (25 C)

【Density】 1.19 g/cm³ (20 C)

【pKa/pKb】 14.73 (pKa)

【Partition Coefficient】 2.32

【Heat Of Vaporization】 87.25 kJ/mol

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【Usage】

A steroid used by veterinarians on livestock to increase muscle growth and appetite.

First Aid Measures

【Ingestion】

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

【Inhalation】

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

【Skin】

In case of contact, immediately wash skin with soap and copious amounts of water. Remove contaminated clothing and shoes. Call a physician.

【Eyes】

In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

Handling and Storage

【Storage】 Keep tightly closed. Store at 2 - 8 C.

Hazards Identification

【Inhalation】

May be harmful if inhaled. Material may be irritating to mucous membranes and upper respiratory tract.

【Skin】

May cause skin irritation. May be harmful if absorbed through the skin.

【Eyes】 May cause irritation.

【Ingestion】 May be harmful if swallowed.

【Hazards】 Emits toxic fumes under fire conditions.

Exposure Controls/Personal Protection

【Personal Protection】

Compatible chemical-resistant gloves. Chemical safety goggles. Protective clothing.

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【Respirators】

Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator.

【Exposure Effects】

Some steroids show carcinogenic and teratogenic activity. Target organ: adrenal cortex.

Fire Fighting Measures

【Flash Point】 208

【Fire Fighting】

Extinguish with water spray, carbon dioxide, dry chemical powder or appropriate foam. Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Accidental Release Measures

【Small spills/leaks】

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.

Stability and Reactivity

【Stability】

Stable at normal temperatures and pressures.

【Incompatibilities】

Strong oxidizing agents.

【Decomposition】

Oxides of carbon