



*Specialized in chemicals*

Hefei TNJ Chemical Industry Co.,Ltd.

B911 Xincheng Business Center,  
Qianshan Rd. Hefei 230022 China

Tel : (0086) 551 5418695

Fax: (0086) 551 5418697

Email: info@tnjchem.com

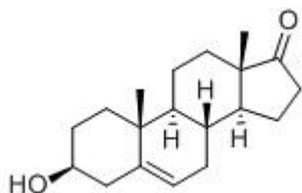
Site: www.tnjchem.com

## Technical Data Sheet

# Dehydroepiandrosterone

### Product Information

|                    |  |
|--------------------|--|
| Chemical Name      | Dehydroepiandrosterone                         |
| CAS #              | 53-43-0  |
| EINECS             | 200-175-5                                      |
| Formula            | C <sub>19</sub> H <sub>28</sub> O <sub>2</sub> |
| Molecular Weight   | 288.42   |
| Synonyms           | DHEA; PRASTERONE; TRANS-DEHYDROANDROSTERONE    |
| Chemical Structure |  |



### Description

Dehydroepiandrosterone, known as DHEA, exists in almost white crystalline powder. It is soluble in benzene, ethanol and diethyl ether, but almost insoluble in chloroform and petroleum ether. It melts at 149~152 °C.

### Physical Properties

|                   |   |
|-------------------|---|
| Melting point, °C | 149~152   |
| Appearance        | White crystalline powder  |
| Solubility        | Soluble in benzene, ethanol and diethyl ether, but almost insoluble in chloroform and petroleum ether |

### Specification

|                           |                          |
|---------------------------|--------------------------|
| Appearance                | White crystalline powder |
| Melting range             | 148°C ~ 151°C            |
| Loss on drying            | ≤0.5%                    |
| Assay by HPLC             | ≥99%                     |
| Specific optical rotation | +12 °~ +15°              |

## Applications

### **Health Protection:**

Obesity prevention: DHEA is like thyroid which can inhibit the intake of food and fat into our body and reduce the accumulation of fat, etc.

Anti-aging: At the age of 25~30 years old, the contents of DHEA is the highest in body. After 30 years old, it will gradually reduce by 75% of that in 25 years period. DHEA can recover the neurons viability. By stimulating GnRH biosynthesis, some diseases caused by the decline of DHEA in body would be improved.

### **Anti-Cancer:**

DHEA has some effects on the prevention and inhibition of tumor growth.

## Package

25kg per fiber drum

## Storage & Handling

### **Precautions for safe handling**

Provide appropriate exhaust ventilation at places where dust is formed.

### **Conditions for safe storage, including any incompatibilities**

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Keep in a dry place.

*The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchant ability 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 event shall we 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 we has been advised of the possibility of such damages.*

## Hefei TNJ Chemical Industry Co.,Ltd.

B911 Xincheng Business Center  
Qianshan Road, Hefei  
230022 Anhui  
China

Tel : (0086) 551 5418695  
Fax: (0086) 551 5418697  
Email: info@tnjchem.com  
Site: www.tnjchem.com