

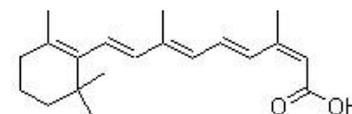
## Technical Data Sheet

### Basic information

Chemical name	Isotretinoin
Synonyms	13-cis-Retinoic acid
CAS.No.	4759-48-2
EINECS No.	225-296-0
Molecular weight	299.4277

Formula  
Chemical structure

C<sub>20</sub>H<sub>28</sub>O<sub>2</sub>



### Physical properties

Appearance	Yellow or light orange crystalline powder
Density, 20°C, g/cm <sup>3</sup>	Not available
Boiling point, °C	Decomposes.
Melting point, °C	174--177°C
Flash point, °C	Not available
Refractive index	Not available
Solubility	Soluble in water, ethanol & other organic solvents.

### Specification

Items	USP34 grade
Appearance	Yellow crystalline powder
Identification	The IR absorption spectrum should correspond with reference spectrum Should exhibits maximum absorption at 354nm
Loss on drying,%	≤0.5
Residue on ignition,%	≤0.1
Heavy metals	<0.002
Tretinoin	≤1.00
Assay,%	98.00-102.00

### Application

Isotretinoin is widely applied in pharmaceutical field, mainly used for the cure of dermatonosis like acne, ichthyosis and psoriasis abnormal, etc..

Isotretinoin can be made into tretinoin or retinoic acid cream to cure acne or other unhealthy skin.

Isotretinoin is used for skin keratinocytes-resistant drugs and cell-induced differentiation drug.

It can slow down skin aging process for solarization, remove tiny wrinkles.

It can reduce skin roughness, so skin will become ruddy.

It is a drug commonly used to treat acne vulgaris and keratosis pilaris.

It is available as a cream or gel. It is also used to treat acute promyelocytic leukemia.

### Package

500g/bag, 1kg/drum

### **Safety on transportation**

It belongs to common goods, always refer to MSDS.

### **Storage and handling**

Keep tightly closed, store in a cool dry place.

Please refer to the Materials Safety Data Sheet (MSDS) for the handling methods.

*The information above is believed to be accurate and represents the best information currently available to us. However, In no event shall we be liable for any claims, losses, or damages of any third party resulting from its use.*

**Issue Date:** 1st,12,2015