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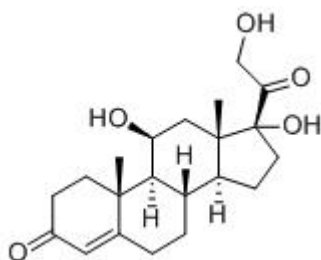
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## Technical Data Sheet

# Hydrocortisone

### Product Information

Chemical Name	Hydrocortisone
CAS #	50-23-7
EINECS	200-020-1
Formula	C <sub>21</sub> H <sub>30</sub> O <sub>5</sub>
Molecular Weight	362.46
Chemical Structure	



### Description

Ketoconazole is a white or almost white crystalline powder, practically insoluble in water, sparingly soluble in acetone and in alcohol, slightly in methylene chloride. The specification conforms to CP/BP/EP/USP.

### Physical Properties

Melting point, °C	146
Solubility:	Practically insoluble in water, freely soluble in methylene chloride, soluble in methanol and sparingly soluble in alcohol.

### Specification

Appearance(Ph.Eur.)	A white or almost white, crystalline powder
Solubility(Ph.Eur.)(annual) alcohol, slightly in methylene chloride	Practically insoluble in water, sparingly soluble in acetone and in
Identification	
A. IR-spectrum(Ph.Eur./USP)	Meet the requirement

B. TLC(Ph.Eur.)	Meet the requirement
C. UV Absorption(USP)	Meet the requirement
Specific optical rotation(Ph.Eur.)	150° ~156°
(USP)	150° ~156°
Loss on drying(Ph.Eur.)	Not more than 1.0%
(USP)	Not more than 1.0%
Residue on ignition(USP)	Not more than 0.5%
Related substances(Ph.Eur.)	
Any individual impurity	Not more than 0.5%
Sum of impurities	Not more than 1.5%
Chromatographic purity(USP)	
Any individual impurity	Not more than 0.5%
Sum of impurities	Not more than 2.0%
Assay	
UV Absorption(Ph.Eur.)	97.0%~103.0%
HPLC(USP)	97.0%~102.0%
Residual solvent(In-house)	
Methanol	Not more than 500ppm
Ethanol	Not more than 2000ppm
Methylene chloride	Not more than 600ppm
Chloroform	Not more than 60ppm
Particle	90% not more than 15microns

### Application

Hydrocortisone is an adrenal cortical hormone cortin drug, and it has glucose metabolism, anti-inflammatory, anti-allergic pharmacotherapy, and anti-venoms effects. It is mainly used in the replacement therapy of adrenal cortical dysfunction.

### Packaging

5kg per tin. 10kg per carton.

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