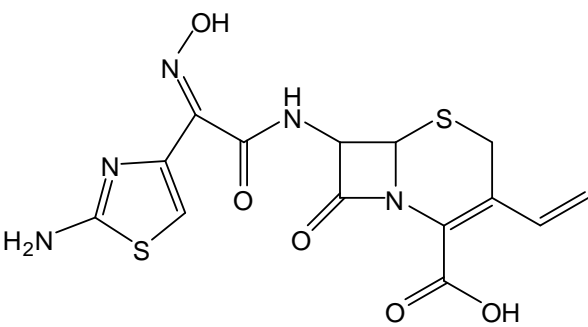


SPECIFICATIONS

Product Name	<div style="display: flex; justify-content: center; align-items: center;"> <div style="margin-right: 10px;">Cefdinir</div>  </div>		
Cas No.	91832-40-5		
Molecular Formula	C ₁₄ H ₁₃ N ₅ O ₅ S ₂	Molecular Weight	395.41
No.	Items	Specifications	
1	Description	A white to light yellow crystalline powder	
2	Identification 1) UV spectrum 2) IR spectrum 3) NMR	Both spectra exhibit similar intensities of absorption at the same wavelengths. Both spectra exhibit similar intensities of absorption at the same wave number. The ratio of integrated intensity, A [$\sigma(5.0\sim6.1)$] : B [$\sigma(6.4\sim7.5)$] = 2 : 1	
3	Absorbance	570~610 (0.25 g, 0.1 mol/L phosphate buffer sol'n, pH 7.0, 25mL, 100 mm, at 287nm)	
4	Water	Not more than 2.0 % (1 g, volumetric titration, direct titration)	
5	Related substances	Not more than 0.8% : E-isomer Not more than 0.1% : Any single impurity Not more than 3.0% : Total impurities	
6	Optical rotation	[α] _D ²⁰ : -58 ~ -66° (0.25 g, 0.1 mol/L phosphate buffer sol'n, pH 7.0, 25mL, 100 mm)	
7	Assay (HPLC)	930 ~ 1,020 μ g/mg of Cefdinir (C ₁₄ H ₁₃ N ₅ O ₅ S ₂), as is basis.	
8	Residual solvent	ICH guide-line	
9	Particle size	25 ~ 30 μ m (mean diameter)	