

Specification

Technical Data Sheet

Product Name	Levofloxacin hydrochloride
Product No	90027349
CAS Number	177325-13-2
Storage Temperature	-15 to -20 °C
Molecular Weight	397.83
Specification	
Appearance	White to yellow powder or crystals
Heavy metals	≤0.001%
Identification	1. IR: Conforms to spectrum of Levofloxacin RS. 2. HPLC: The retention time of the main peak of the trial product is the same as that of levofloxacin (later). 3. Differentiation reaction of aqueous solution chlorides of this product.
Impurity A	≤0.3%
Loss on Drying	3.5% - 5.0%
pH	3.5 - 5.0

Specification

Specific rotation	-47.0° to -52.0°
Absorption	≤0.10%
Any other single impurity	≤0.2%
Assay	89.5% - 92.5%
D-Isomer	≤1.0%
Dextroflouxacin	≤1.0%
Dimethylformamide	≤0.88%
Ethanol	≤0.5%
Residue on Ignition	≤0.1%
Solubility	Soluble in water, Slightly soluble in methanol, slightly soluble in ethanol, almost insoluble in ether or petroleum.
Solution	Passes test
Total Impurities	≤0.5%
