

Certificate of Analysis

Catalogue Number

KL-01-00226

Lot Number

KLA100171

Product Name

Pefloxacin EP Impurity A

Synonyms

1-Ethyl-6-fluoro-1,4-dihydro-4-oxo-7-(1-piperazinyl)-3-quinolinecarboxylic Acid; Baccidal; Barazan; Chibroxine; N-Demethylpefloxacin; N-Desmethylpefloxacin

CAS Number

70458-96-7

Molecular Formula
 $C_{16}H_{18}FN_3O_3$
Molecular Weight

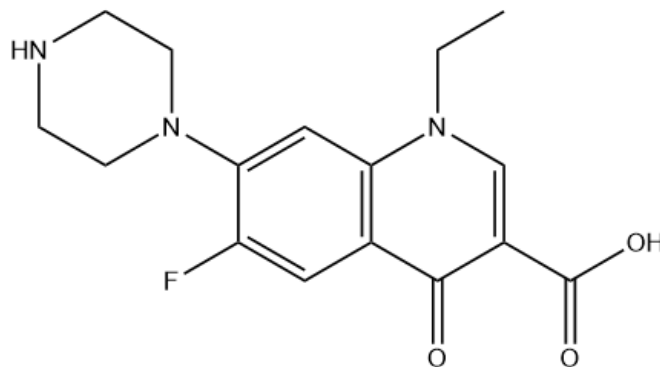
319.33 g/mol

Mfg. Date

02-09-2025

Re-Test Date

01-09-2028

Structure

Shipping Condition

All Product are stable to be shipped at room temperature, unless otherwise specified.

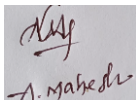
Long Term Storage Conditions

2°C ~ 8°C Protected from light and Sealed

Analytical Information

Test	Specifications	Results
Appearance	Off-White to Pale Yellow Solid	Pale Yellow Solid
Solubility	Soluble in DMSO, Methanol	Conforms
Purity by HPLC	Not less than 90.00%	99.01%
Identification by ^1H NMR	Conforms to structure	Complies
Identification by Mass	Conforms Molecular Weight	Complies
Identification by IR	Conform functional groups	Complies
Weight Content By TGA	Not specified	0.392%
Residue of Ignition By TGA	Not specified	0.091%
Potency	Not specified	98.53%

Prepared by



Reviewed & Approved by



Note: Use for research & analytical purpose only. Not for human consumption

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