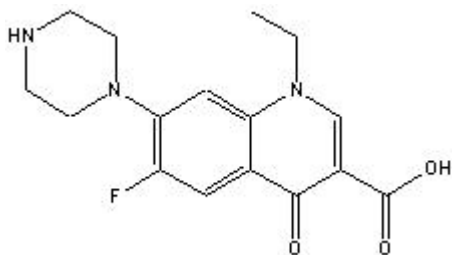


TECHNICAL INFORMATION

Catalog Number: 155949

Norfloxacin

Structure:



Molecular Formula: C₁₆H₁₈FN₃O₃

Molecular Weight: 319.34

CAS # 70458-96-7

Synonyms: AM-715; Baccidal; 1,4-Dihydro-1-ethyl-6-fluoro-4-oxo-7-(1-piperazinyl)- 3-quinolinecarboxylic acid; 1-Ethyl-6-fluoro-1,4-dihydro-4-oxo-7- (1-piperazinyl)-3- quinolinecarboxylic acid; MK-366

Physical Description: White to yellowish green powder

Purity: 99.70%

Solubility: Soluble in glacial acetic acid (50 mg/ml - clear, yellow-green solution). Soluble in octyl alcohol (5 mg/ml), chloroform (5.5 mg/ml), acetone (5.1 mg/ml); slightly soluble in water (0.28 mg/ml - solubility in water is pH dependent, increasing sharply at pH < 5 or at pH > 10), methanol (0.98 mg/ml), ethanol (1.9 mg/ml) or ethyl acetate (0.94 mg/ml).¹

Description: An antibacterial agent.

References:

- *Merck Index*, **12th Ed.**, No. 6793.
- Majtan, V. and Majtanova, L., *Arzneim. Forsch.*, **v. 48:6**, 697-700 (1998).