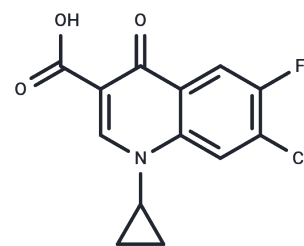


Ciprofloxacin EP Impurity A

Chemical Properties

CAS No. : 86393-33-1
 Formula: C₁₃H₉ClFNO₃
 Molecular Weight: 281.67
 Appearance: no data available
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Ciprofloxacin EP Impurity A (Fluoroquinolonic Acid) is an antibiotic and antimicrobial agent.
Targets(IC50)	Antibiotic

Solubility Information

Solubility	DMSO: 23 mg/mL(81.7 mM), H ₂ O: Limited solubility, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5503 mL	17.7513 mL	35.5025 mL
5 mM	0.7101 mL	3.5503 mL	7.1005 mL
10 mM	0.355 mL	1.7751 mL	3.5503 mL
50 mM	0.071 mL	0.355 mL	0.7101 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Trefi, S., Gilard, V., Malet-Martino, M., & Martino, R. (2007). Generic ciprofloxacin tablets contain the stated amount of drug and different impurity profiles: A 19F, 1H and DOSY NMR analysis. Journal Of Pharmaceutical And

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