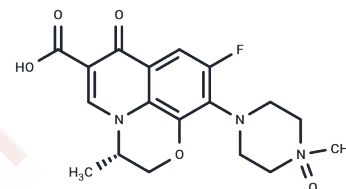


Levofloxacin N-oxide

Chemical Properties

CAS No. :	117678-38-3
Formula:	C ₁₈ H ₂₀ FN ₃ O ₅
Molecular Weight:	377.37
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Levofloxacin N-oxide is an impurity isolated from levofloxacin.
Targets(IC50)	Others,Drug Metabolite

Solubility Information

Solubility	DMSO: 3.78 mg/mL (10.02 mM),Sonication is recommended. Methanol: Slightly soluble,Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6499 mL	13.2496 mL	26.4992 mL
5 mM	0.530 mL	2.6499 mL	5.2998 mL
10 mM	0.265 mL	1.325 mL	2.6499 mL
50 mM	0.053 mL	0.265 mL	0.530 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Zhu Q, et al. In silico and in vitro genotoxicity evaluation of levofloxacin n-oxide, an impurity in levofloxacin. Toxicol Mech Methods. 2012 Apr;22(3):225-30.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481