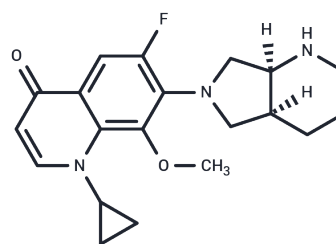


Decarboxy Moxifloxacin

Chemical Properties

CAS No. :	1322062-57-6
Formula:	C ₂₀ H ₂₄ FN ₃ O ₂
Molecular Weight:	357.42
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Decarboxylated moxifloxacin is a decarboxylated compound of moxifloxacin. Moxifloxacin is an oral active 8-methoxy quinolone antibiotic used in acute bacterial sinusitis, chronic bronchitis, acute bacterial deterioration, and community-acquired pneumonia.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 65 mg/ml (181.86 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7978 mL	13.9891 mL	27.9783 mL
5 mM	0.5596 mL	2.7978 mL	5.5957 mL
10 mM	0.2798 mL	1.3989 mL	2.7978 mL
50 mM	0.056 mL	0.2798 mL	0.5596 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

Marks KR, et al. Synthesis and evaluation of 1-cyclopropyl-2-thioalkyl-8-methoxy fluoroquinolones. Bioorg Med Chem Lett. 2011 Aug 1;21(15):4585-8.

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