



Product Information

Antifection inhibitor Garenoxacin, Purity $\geq 98\%$

Cat. No.: X24-07-ZQ076

Size: 5 mg; 10 mg; 50 mg; 100 mg

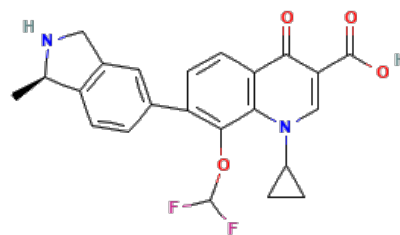
CAS Number: 194804-75-6

Compound CID: 124093

Synonym: 194804-75-6; Antifection inhibitor; T-3811ME; BMS-284756; T3811ME;

BMS284756; T 3811ME; BMS 284756

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	Garenoxacin, soluble in DMSO and insoluble in ethanol and water, has strong immunosuppressant properties. It targets Gyrase, quinolone, and TOPO IV.
Molecular Weight	426.41
Molecular Formula	C ₂₃ H ₂₀ F ₂ N ₂ O ₄
Targets	Gyrase: 1.25 µg/mL; Quinolone; TOPO IV: 1.5-2.5 µg/mL
IUPAC Name	1-Cyclopropyl-8-(difluoromethoxy)-7-[(1 <i>R</i>)-1-methyl-2,3-dihydro-1 <i>H</i> -isoindol-5-yl]-4-oxoquinoline-3-carboxylic acid
InChI	InChI=1S/C23H20F2N2O4/c1-11-15-5-2-12(8-13(15)9-26-11)16-6-7-17-19(21(16)31-23(24)25)27(14-3-4-14)10-18(20(17)28)22(29)30/h2,5-8,10-11,14,23,26H,3-4,9H2,1H3,(H,29,30)/t11-m/s1
InChI Key	NJDRXTDGYFKORP-LLVKDONJSA-N
Canonical SMILES	CC1C2=C(CN1)C=C(C=C2)C3=C(C4=C(C=C3)C(=O)C(=CN4C5CC5)C(=O)O)OC(F)F
Isomeric SMILES	C[C@@H]1C2=C(CN1)C=C(C=C2)C3=C(C4=C(C=C3)C(=O)C(=CN4C5CC5)C(=O)O)OC(F)F
Form	Lyophilized powder
Purity	$\geq 98\%$
Solubility	DMSO: 2 mg/mL (4.69 mM); Water: Insoluble; Ethanol: Insoluble
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Quality Level	Research grade
Applications	Garenoxacin is investigated for its potency in inhibiting bacterial DNA gyrase and topoisomerase IV,



making it a significant research subject in combating bacterial infections, particularly respiratory pathogens.

Storage

Store at -20°C, and keep desiccated.
