

## Product Datasheet

### Ofloxacin (orb1310184)

<b>Catalog Number</b>	orb1310184
<b>Category</b>	Small Molecules
<b>Description</b>	Ofloxacin is a fluoroquinolone antibiotic that inhibits bacterial DNA gyrase and topoisomerase IV, disrupting DNA replication and causing cell death. It is widely used in research for studying antibacterial mechanisms and efficacy in both in vitro susceptibility assays and in vivo infection models.
<b>Target</b>	Topoisomerase,Virus Protease,Antibiotic,Endogenous Metabolite,Antibacterial
<b>Purity</b>	99.33% (May vary between batches)
<b>MW</b>	361.37
<b>Target Areas</b>	Antibacterial Antibiotic Endogenous Metabolite Topoisomerase Virus Protease
<b>Solubility (25°C)</b>	DMSO:3.62 mg/mL (10.02 mM)
<b>CAS Number</b>	82419-36-1
<b>Formula</b>	$C_{18}H_{20}FN_3O_4$
<b>SMILES</b>	<chem>O=C1C=2C3=C(C(=C(F)C2)N4CCN(C)CC4)OCC(C)N3C=C1C(O)=O</chem>
<b>Storage</b>	-20°C
<b>Note</b>	For research use only
<b>Expiration Date</b>	12 months from date of receipt.

**Biorbyt Ltd.**

7 Signet Court, Swann Road  
Cambridge  
CB5 8LA  
United Kingdom

Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)

Phone: [+44 \(0\)1223 859353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

**Biorbyt LLC**

68 TW Alexander Drive  
Research Triangle Park  
Durham  
NC 27713-2847  
United States

Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)

Phone: [+1 \(415\) 906-5211](tel:+1(415)906-5211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)