

Product Datasheet

Trovafloxacin mesylate (orb1308981)

Catalog Number	orb1308981
Category	Small Molecules
Description	Trovafloxacin is a broad-spectrum fluoroquinolone antibiotic that inhibits DNA gyrase and topoisomerase IV. It also specifically blocks the pannexin 1 (PANX1) channel with an IC50 of 4 µM. This dual activity makes it a useful research tool for studying bacterial replication and PANX1-mediated cellular signaling in vitro.
Target	Antibiotic,DNA/RNA Synthesis,TRP/TRPV Channel,Antibacterial,Topoisomerase
Purity	99.12% (May vary between batches)
MW	512.46
Target Areas	Antibiotic Antibacterial Topoisomerase DNA/RNA Synthesis TRP/TRPV Channel
Solubility (25°C)	DMSO:120 mg/mL (234.16 mM);10% DMSO+40% PEG300+5% Tween 80+45% Saline:4 mg/mL (7.81 mM);H2O:18 mg/mL (35.12 mM)
CAS Number	147059-75-4
Formula	C ₂₁ H ₁₉ F ₃ N ₄ O ₆ S
SMILES	CS(O)(=O)=O.[H][C@@]12CN(C[C@]1([H])[C@H]2N)c1nc2n(cc(C(O)=O)c(=O)c2cc1F)-c1ccc(F)cc1F
Storage	-20°C
Note	For research use only
Expiration Date	12 months from date of receipt.

Biorbyt Ltd.

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

Email: info@biorbyt.com, support@biorbyt.com
Phone: +44 (0)1223 859353 | Fax: +1 (415) 651-8558

Biorbyt LLC

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

Email: info@biorbyt.com, support@biorbyt.com
Phone: +1 (415) 906-5211 | Fax: +1 (415) 651-8558