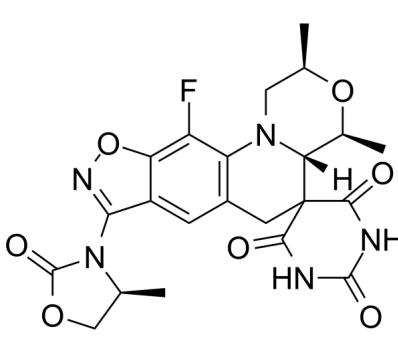


Certificate of Analysis

Catalog Number	BP13599
Product Name	Zoliflodacin

Physical and Chemical Properties

Synonyms	AZD0914, ETX0914
CAS No.	1620458-09-4
Chemical Formula	C ₂₂ H ₂₂ FN ₅ O ₇
Molecular Weight	487.444
Solubility	DMSO: 135 mg/mL (276.95 mM), Need ultrasonic
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	

Product Information

Description	Zoliflodacin (ETX0914, AZD0914) is a new bacterial DNA gyrase/topoisomerase inhibitor. Zoliflodacin has potent in vitro antibacterial activity against Gram-positive and Gram-negative organisms, including <i>S. aureus</i> (MIC90: 0.25 µg/mL).
Targets&IC50	<i>S. aureus</i> :0.25 µg/mL (MIC90)
In vitro	Zoliflodacin has antibacterial activity against key Gram-positive, fastidious Gram-negative (<i>Haemophilus influenzae</i> , <i>Neisseria gonorrhoeae</i>), atypical (<i>Legionella pneumophila</i>), and anaerobic (<i>Clostridium difficile</i>) bacterial species, including isolates with known resistance to fluoroquinolones. Zoliflodacin stabilizes and arrests the cleaved covalent complex of gyrase with double-strand broken DNA under permissive conditions and thus blocks religation of the double-strand cleaved DNA to form fused circular DNA.

Analytical Data

HPLC	Shows Min >99% purity
H-NMR	Consistent with structure
Stability and Solubility Advice	Information on product stability, especially in solution, has rarely been reported and in most cases we can only provide a general guideline. We recommend that once the stock solution has been prepared, it be stored in equal quantities in sealed vials and used within 1 month. Avoid repeated freezing and thawing cycles. Storage conditions for some special products should be referred to their storage details.

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