
Product Data Sheet

Product Name: Zabofloxacin

Cat. No.: GC37957

Chemical Properties

Cas. No. 219680-11-2

SMILES CO/N=C1C2(CNC2)CN(C3=C(F)C=C4C(N(C5CC5)C=C(C(O)=O)C4=O)=N3)C/1

Formula $C_{19}H_{20}FN_5O_4$ M.Wt 401.39

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

Background

Zabofloxacin (DW-224a Free base) is a novel fluoronaphthyridone quinolone with a 7-pyrrolidone substituent that is considered a potent antibacterial candidate for clinical trials. Zabofloxacin (DW-224a Free base) has excellent activity against gram-positive pathogens including *Streptococcus aureus* , *Streptococcus pyogenes* and *S. pneumoniae*. Zabofloxacin (DW-224a Free base) is considered as an alternative candidate for treatment of quinolone-susceptible (QSSP) and quinolone-resistant gonorrhoea (QRSP)[1].

[1]. Park HS, et al. Antimicrobial Activity of Zabofloxacin against Clinically Isolated *Streptococcus pneumoniae*. *Molecules*. 2016 Nov 17;21(11). pii: E1562.

Caution: Product has not been fully validated for medical applications. For research use only.

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