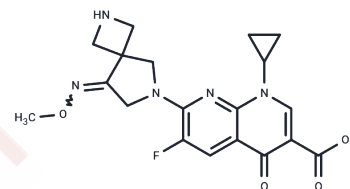


Zabofloxacin

Chemical Properties

CAS No. :	219680-11-2
Formula:	C ₁₉ H ₂₀ FN ₅ O ₄
Molecular Weight:	401.39
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Zabofloxacin is a potent and selective bacterial type II and IV topoisomerases inhibitor, and has excellent activity against gram-positive pathogens including <i>Staphylococcus aureus</i> , <i>Streptococcus pyogenes</i> and <i>S. pneumoniae</i> .
Targets(IC50)	Others, Antibacterial, Antibiotic, Topoisomerase
In vitro	In vitro, Zabofloxacin shows a highly potent activity against clinical isolates of penicillin-sensitive <i>S. pneumoniae</i> (minimum inhibitory concentration with MIC ₉₀ of 0.03 mg/L) and penicillin-resistant <i>S. pneumoniae</i> (MIC ₉₀ : 0.03 mg/L). Against quinolone-resistant <i>S. pneumoniae</i> , zabofloxacin (MIC ₉₀ : 1 mg/L) is more active than ciprofloxacin, sparfloxacin, and moxifloxacin.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4913 mL	12.4567 mL	24.9134 mL
5 mM	0.4983 mL	2.4913 mL	4.9827 mL
10 mM	0.2491 mL	1.2457 mL	2.4913 mL
50 mM	0.0498 mL	0.2491 mL	0.4983 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

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

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481