

Antofloxacin Biochemical

Antofloxacin

CATALOG #
AAA227507

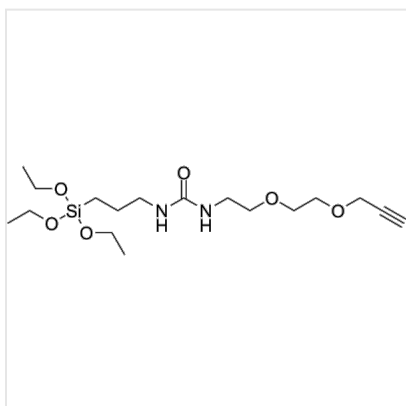
PRODUCT SYNONYMS

Antofloxacin; Antofloxacin biochemical

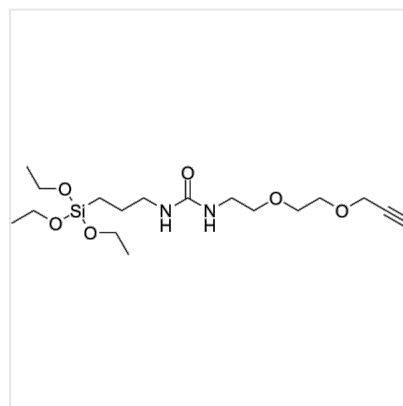
PRODUCT SPECIFICATIONS

Purity/Purification	98%
CAS	119354-43-7
Solubility	<1mg/ml refers to the product slightly soluble or insoluble
In vitro	Antofloxacin (2.5~160 mg/kg; s.c.; 24 hours) penetration ratio ranges from 1.22 to 1.54 for the total drug concentrations and is independent of the dose levels[3]. Antofloxacin increases the plasma theophylline concentration, partly by acting as a mechanism based inhibitor of CYP1A2. Antofloxacin inhibits the formation of the three metabolites of theophylline was time-, concentration- and NADPH-dependent, which is characteristic of mechanism-based inhibition[2]. Animal Model: Mice[3]. Dosage: 2.5~160 mg/kg (Pharmacokinetic Analysis). Administration: S.c.; 24 hours. Result: Penetration ratio ranged from 1.22 to 1.54 for the total drug concentrations and was independent of the dose levels.
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure
Propargyl-PEG2-urea-C3-triethoxysilane, CAS 1637329-79-3



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ADDITIONAL INFORMATION

Related Product Information for Antofloxacin biochemical	Antofloxacin is a well tolerate, orally active and broad-spectrum 8-amino-fluoroquinolone with potent antibacterial activities. Antofloxacin shows superior antibacterial activity against gyrA mutation-positive H. pylori strains, especially in Asn87- mutated strains, compared to levofloxacin. Antofloxacin is a weak, reversible inhibitor of CYP1A2 for the treatment of infections caused by a diverse group of bacterial species.
References	1. An S, et al. Small-molecule PROTACs: An emerging and promising approach for the development of targeted therapy drugs. EBioMedicine. 2018 Oct;36:553-562

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/biochemical/antofloxacin/227507>