



Pazufloxacin [BSA] (DAG079S)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Species	N/A
Conjugate	BSA
Applications	ELISA, LF
Format	Liquid
Concentration	Please refer to the vial label for the specific concentration.
Size	1 mg
Buffer	Supplied in PBS
Preservative	None
Storage	Short Term: 2-8°C. Long Term: -20°C. Avoid multiple freeze-thaw cycles.

BACKGROUND

Introduction	Pazufloxacin is a broad-spectrum synthetic fluoroquinolone antibiotic. It is active against Gram-negative and Gram-positive bacteria, including clinical isolates of <i>E. coli</i> , <i>K. pneumoniae</i> , methicillin-susceptible and -resistant <i>S. aureus</i> , and methicillin-susceptible and -resistant <i>S. epidermidis</i> (MIC ₉₀ s = 0.05, 0.1, 0.39, 12.5, 0.39, and 6.25 µg/ml, respectively). It inhibits <i>E. coli</i> , <i>P. aeruginosa</i> , and <i>S. aureus</i> DNA gyrase (IC ₅₀ s = 0.88, 1.9, and 10.2 µg/ml, respectively) and <i>S. aureus</i> topoisomerase IV (IC ₅₀ = 24.2 µg/ml) in cell-free assays. In vivo, pazufloxacin is active against systemic <i>E. coli</i> , <i>K. pneumoniae</i> , and methicillin-resistant <i>S. aureus</i> infections in mice (ED ₅₀ s = 0.15, 5.5, and 4.5 mg/kg, respectively).
Keywords	Pazufloxacin; Pazufloxacin [INN]