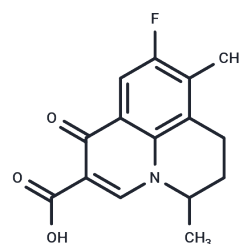


Ibafloxacin

Chemical Properties

CAS No. :	91618-36-9
Formula:	C ₁₅ H ₁₄ FNO ₃
Molecular Weight:	275.27
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Ibafloxacin (R835) is a fluoroquinolone antibiotic used exclusively in veterinary medicine and exhibits no bacteriostatic effect against Bartonella.
Targets(IC50)	Antibacterial, Antibiotic, Antifungal
In vivo	Following intravenous (IV) injection, Ibafloxacin exhibits a swift initial distribution characterized by a mean half-life of 0.35 hours, succeeded by a more gradual elimination phase with a mean half-life of 3.76 hours. The elimination half-life of Ibafloxacin after oral administration has been documented as 3.83 hours in dogs and 3.00 hours in cats[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.6328 mL	18.164 mL	36.328 mL
5 mM	0.7266 mL	3.6328 mL	7.2656 mL
10 mM	0.3633 mL	1.8164 mL	3.6328 mL
50 mM	0.0727 mL	0.3633 mL	0.7266 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

Marín P, et al. Pharmacokinetics and milk penetration of ibafloxacin after intravenous administration to lactating goats. Can J Vet Res. 2007 Jan;71(1):74-6.

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