

Pradofloxacin

Chemical Properties

CAS No. : 195532-12-8

Formula: C₂₁H₂₁FN₄O₃

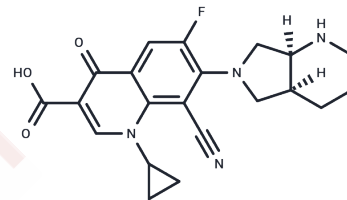
Molecular Weight: 396.41

Keep away from direct sunlight, Keep away from moisture

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	Pradofloxacin is a new generation of fluoroquinolone antibiotics with broad-spectrum antibacterial activity that exerts its bactericidal effect by inhibiting bacterial DNA gyrase and topoisomerase IV, preventing the replication and repair of bacterial DNA. Pradofloxacin is mainly used for the treatment of bacterial diseases in dogs and cats including skin infections, urinary tract infections and respiratory tract infections.
Targets(IC50)	Antibacterial, Topoisomerase

Solubility Information

Solubility	DMSO: 1 mg/mL (2.52 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5226 mL	12.6132 mL	25.2264 mL
5 mM	0.5045 mL	2.5226 mL	5.0453 mL
10 mM	0.2523 mL	1.2613 mL	2.5226 mL
50 mM	0.0505 mL	0.2523 mL	0.5045 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

Lees P. Pharmacokinetics, pharmacodynamics and therapeutics of pradofloxacin in the dog and cat. J Vet Pharmacol Ther. 2013 Jun;36(3):209-21.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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