

Enrofloxacin monohydrochloride

Chemical Properties

CAS No. :	93106-59-3
Formula:	C ₁₉ H ₂₃ ClFN ₃ O ₃
Molecular Weight:	395.86
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	Enrofloxacin monohydrochloride (BAY Vp 2674 monohydrochloride) is a potent antibiotic with a minimum inhibitory concentration (MIC 90) of 0.312 µg/mL against <i>Mycoplasma bovis</i> , and it also exhibits inhibitory activity against the vaccinia virus (VV).
Targets(IC50)	Others,Endogenous Metabolite,Antibacterial,Antibiotic,Virus Protease

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5261 mL	12.6307 mL	25.2615 mL
5 mM	0.5052 mL	2.5261 mL	5.0523 mL
10 mM	0.2526 mL	1.2631 mL	2.5261 mL
50 mM	0.0505 mL	0.2526 mL	0.5052 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

Qiu W, et al. Enrofloxacin Induces Intestinal Microbiota-Mediated Immunosuppression in Zebrafish. *Environ Sci Technol.* 2022 Jun 21;56(12):8428-8437.

Kowalczyk P, Strzępa A, Szczepanik M. Perinatal treatment of parents with the broad-spectrum antibiotic enrofloxacin aggravates contact sensitivity in adult offspring mice. *Pharmacol Rep.* 2021 Apr;73(2):664-671. doi: 10.1007/s43440-021-00217-3. Epub 2021 Jan 22.

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