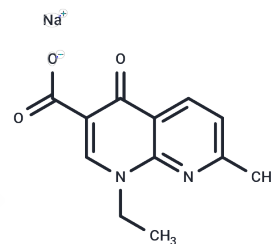


## Nalidixic acid sodium salt

## Chemical Properties

CAS No. :	3374-05-8
Formula:	C <sub>12</sub> H <sub>11</sub> N <sub>2</sub> NaO <sub>3</sub>
Molecular Weight:	254.22
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	Nalidixic acid sodium salt (Baktogram) is an antimicrobial agent with a limited bacteriocidal spectrum.
Targets(IC50)	Antibacterial, Antibiotic, Topoisomerase

## Solubility Information

Solubility	DMSO: Slightly soluble, H <sub>2</sub> O: 125 mg/mL (491.7 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	3.9336 mL	19.668 mL	39.336 mL
5 mM	0.7867 mL	3.9336 mL	7.8672 mL
10 mM	0.3934 mL	1.9668 mL	3.9336 mL
50 mM	0.0787 mL	0.3934 mL	0.7867 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

Jain A, Rajeswari MR. J Biomol Struct Dyn. 2002 Oct;20(2):291-9.

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