


Specification

**Nalidixic acid *BioChemica***

**A1894**

<b>Physical Description:</b>	Solid
<b>Product Code:</b>	A1894
<b>Product Name:</b>	Nalidixic acid <i>BioChemica</i>
<b>Specifications:</b>	Assay (titr.): min. 99 % Solubility (2 %; CHCl <sub>3</sub> ): clear Sulfated ash: max. 0.1 % Loss on drying: max. 0.5 %
<b>Hazard pictograms</b>	
<b>WGK:</b>	3
<b>Storage:</b>	RT protected from light
<b>Signal Word:</b>	Danger
<b>GHS Symbols:</b>	GHS08
<b>H Phrases:</b>	H334
<b>P Phrases:</b>	P261 P342+P311
<b>Molecular Formula:</b>	C <sub>12</sub> H <sub>12</sub> N <sub>2</sub> O <sub>3</sub>
<b>M:</b>	232.24 g/mol
<b>CAS:</b>	389-08-2
<b>EINECS:</b>	206-864-7

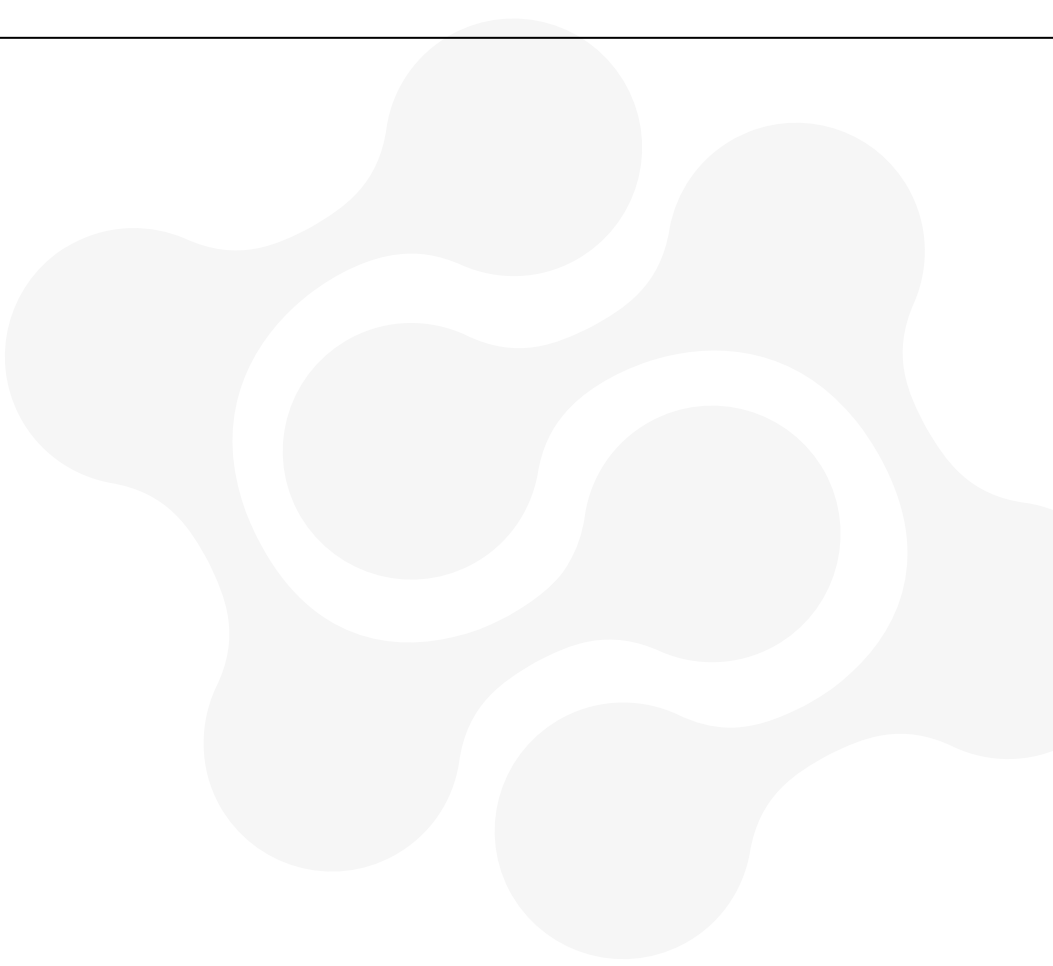
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<b>CS:</b>	29339980
<p><b>Comment</b></p> <p>Nalidixic acid is active against gram negative cocci and bacteria. Resistance show gram positive organism, mycobacteria, fungi and viruses. It specifically inhibits the DNA replication in prokaryotes, with exception of some bacteriophages. <b>Stability</b>: The crystalline substance is not soluble in the acidic pH-range or in alcohol, whereas it is readily soluble in basic aqueous solvents and in polar organic solvents (e. g. chloroform, toluene). To prepare a stock solution dissolve 10 mg/ml of nalidixic acid in 0.1 N NaOH and adjust the pH to 8.5. The solution is stable for one month. Nalidixic acid is heat stable and can be sterilized.</p>	
<p><b>Bibliography</b></p> <p>(1) Pedrini, A.M. (1979) 'Nalidixic Acid' in <i>Antibiotics V-1</i>, Page 154-175 (F.E. Hahn ed.) Springer-Verlag Berlin, Heidelberg, New York.</p>	
	

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