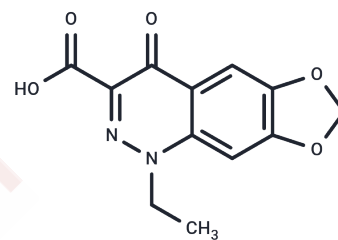


## Cinoxacin

## Chemical Properties

CAS No. :	28657-80-9
Formula:	C <sub>12</sub> H <sub>10</sub> N <sub>2</sub> O <sub>5</sub>
Molecular Weight:	262.22
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	Cinoxacin (Compound 64716), an older synthetic antimicrobial, was related to the quinolone class of antibiotics. Its activity was similar to oxolinic acid and nalidixic acid.
Targets(IC50)	Antibacterial, Antibiotic, DNA/RNA Synthesis, Topoisomerase

## Solubility Information

Solubility	DMSO: 4.55 mg/mL (17.35 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.8136 mL	19.068 mL	38.1359 mL
5 mM	0.7627 mL	3.8136 mL	7.6272 mL
10 mM	0.3814 mL	1.9068 mL	3.8136 mL
50 mM	0.0763 mL	0.3814 mL	0.7627 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

Jariyawat S, et al. J Pharmacol Exp Ther. 1999 Aug;290(2):672-7.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481