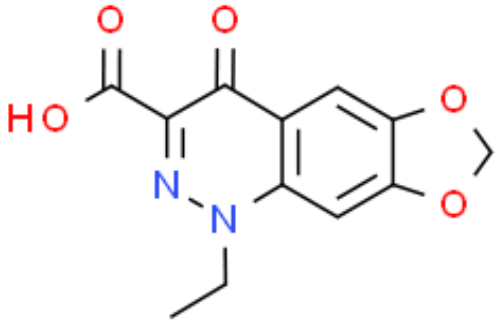
Product Data Sheet

Cas No.:	28657-80-9	Cat. No:	PL14691
Product Name:	Cinoxacin		
Product synonym:	西诺沙星;恶喹唑乙酸;新恶酸;西诺沙星 标准品		
Chemical name:	Cinoxacin		
MF:	C12H10N2O5	FW:	262.2182
Purity:	≥99%	Batch No.:	-
Storage:			
Structural formula:			
λmax：	-	Formulation：	-
Solubility :			
SMILES :	O=C(C1=NN(CC)C2=C(C=C3C(OCO3)=C2)C1=O)O		
InChI Code:	-		
InChI Key:			
WARNING This product is not for human or veterinary use.			

Product Description

Cinoxacin (Compound 64716)，一种与喹诺酮类抗生素相关的口服抗菌剂。Cinoxacin 对许多革兰氏阴性需氧菌 (Gram-negative aerobic bacteria) 具有抗菌活性，并抑制细菌 DNA 的合成。Cinoxacin 可用于尿路感染和细菌性前列腺炎的研究。

生物活性	Cinoxacin (Compound 64716), a synthetic antimicrobial related to the quinolone class of orally active antibacterial agent. Cinoxacin has antibacterial activity against many gram-negative aerobic bacteria and inhibits bacterial DNA synthesis. Cinoxacin can be used for the research of urinary tract infections and bacterial prostatitis.
IC50 & Target[1][2]	Quinolone
体外研究(In Vitro)	Cinoxacin (0-200μg/mL approximately, 3-24 h) inhibits many gram-negative aerobic bacteria with MIC values ranging from 4 to 64 μg/mL. has not independently confirmed the accuracy of these methods. They are for reference only.Cell Proliferation Assay
体内研究(In Vivo)	Cinoxacin (Oral administration, 1.7 g/kg, treated at 1 and 5 h postinfection) is effective in experimental bacterial infections in mice, with ED 50 values ranging from 8.1 to 58.6 mg/kg. has not independently confirmed the accuracy of these methods. They are for reference only. Animal Model:
包装储存	Powder -20°C 3 years； 4°C 2 years

溶解度数据	In Vitro: DMSO : 8.33 mg/mL (31.77 mM; Need ultrasonic)配制储备液