

Product Datasheet

Cinoxacin (orb1225429)

Catalog Number	orb1225429
Category	Small Molecules
Description	Cinoxacin was an older synthetic antimicrobial related to the quinolone class of antibiotics with activity similar to oxolinic acid and nalidixic acid. (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.(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 ED50 values ranging from 8.1 to 58.6 mg/kg.
Target	Topoisomerase
Purity	>98% (HPLC)
MW	262.22
Target Areas	Topo II
Solubility (25°C)	DMSO: 10 mM
CAS Number	28657-80-9
Formula	C ₁₂ H ₁₀ N ₂ O ₅
SMILES	CCN1C2=CC3=C(C=C2C(=O)C(=N1)C(=O)O)OC(=O)O
Chemical Name	1-Ethyl-1,4-dihydro-4-oxo[1,3]dioxolo[4,5-g]cinnoline-3-carboxylic acid
Storage	Storage temperature: -20°C. Stability: ≥ 2 years
Note	For research use only
Expiration Date	12 months from date of receipt.

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