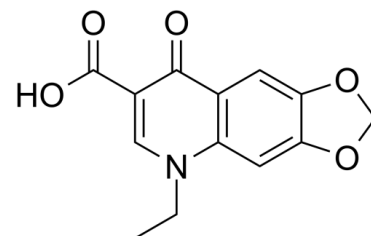


Data Sheet

Product Name:	Oxolinic acid
Cat. No.:	CS-4499
CAS No.:	14698-29-4
Molecular Formula:	C ₁₃ H ₁₁ NO ₅
Molecular Weight:	261.23
Target:	DNA/RNA Synthesis
Pathway:	Cell Cycle/DNA Damage
Solubility:	DMSO : 1 mg/mL (3.83 mM; Need ultrasonic); H ₂ O : < 0.1 mg/mL (insoluble)



BIOLOGICAL ACTIVITY:

Oxolinic acid is a potent inhibitor of DNA gyrase and DNA synthesis, lead to DNA cleavage when extracted chromosomes are incubated with sodium dodecyl sulfate.

CAIndexNames:

1,3-Dioxolo[4,5-g]quinoline-7-carboxylic acid, 5-ethyl-5,8-dihydro-8-oxo-

SMILES:

O=C(C1=CN(CC)C2=C(C=C3C(OCO3)=C2)C1=O)O

Caution: Product has not been fully validated for medical applications. For research use only.

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