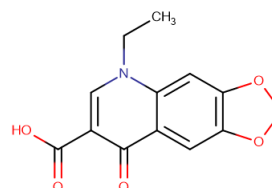


Product Name	: Oxolinic acid
Synonyms	: NSC 110364; Urinox
Cat No.	: M12008
CAS Number	: 14698-29-4
Molecular Formula	: C ₁₃ H ₁₁ NO ₅
Formula Weight	: 261.24
Chemical Name	: 5-Ethyl-8-oxo-[1,3]dioxolo[4,5-g]quinoline-7-carboxylic acid
Description	: Oxolinic acid is a potent inhibitor of DNA gyrase and DNA synthesis, lead to DNA cleavage when extracted chromosomes are incubated with sodium dodecyl sulfate.
Pathway	: GPCR/G Protein
Target	: Antibacterial
Receptor	: bacterial DNA gyrase; DNA synthesis; dopamine uptake
Solubility	: Water: 0.003mg/L
SMILES	: <chem>O=C(C1=CN(CC)C2=CC(OCO3)=C3C=C2C1=O)O</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:



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