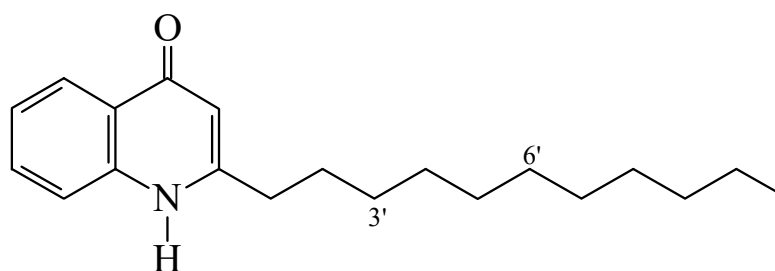




>>Entry Name: 2-Undecyl-4(1*H*)-quinolinone, 9Cl

Synonym(s): 4-Hydroxy-2-undecylquinoline



CAS Registry Number: 56183-46-1

Molecular Formula: C₂₀H₂₉NO

Molecular Weight: 299.455

Accurate Mass: 299.224914

Percentage Composition: C 80.22%; H 9.76%; N 4.68%; O 5.34%

Biological Source: Alkaloid from *Ptelea trifoliata* and roots of *Ruta graveolens* (as the main component of an inseparable mixt. of 2-alkylquinolones contg. the 2-dodecyl, 2-tridecyl and 2-tetradecyl homologues) (Rutaceae)

Use/Importance: Antagonist of Dihydrostreptomycin

Physical Description: Cryst. (Me₂CO)

Melting Point: Mp 130-132°

>>Derivative: *N*-Oxide

Synonym(s): 2-Undecyl-4(1*H*)-quinolinone *N*-oxide

CAS Registry Number: 2503-86-8

Molecular Formula: C₂₀H₂₉NO₂

Molecular Weight: 315.455

Accurate Mass: 315.219829

Percentage Composition: C 76.15%; H 9.27%; N 4.44%; O 10.14%

Biological Source: Metab. of *Pseudomonas pyocyanea*. Isol. from flowers of *Ptelea trifoliata* and roots of *Ruta graveolens* (Rutaceae)

Physical Description: Leaflets

Melting Point: Mp 148.5-149.5°

>>Derivative: *N*-Me

Synonym(s): 1-Methyl-2-undecyl-4(1*H*)-quinolinone, 9Cl

CAS Registry Number: 59443-02-6

Molecular Formula: C₂₁H₃₁NO

Molecular Weight: 313.482

Accurate Mass: 313.240564

Percentage Composition: C 80.46%; H 9.97%; N 4.47%; O 5.10%

Biological Source: Alkaloid from the leaves and fruits of *Evodia rutaecarpa* (Rutaceae)

Physical Description: Needles (EtOAc/Et₂O)

Melting Point: Mp 68.5-70°

>>Derivative: 3',4'-Didehydro

Synonym(s): 2-(3-Undecenyl)-4(1*H*)-quinolinone. **Pyo V**

CAS Registry Number: 71932-11-1

Molecular Formula: C₂₀H₂₇NO

Molecular Weight: 297.439

Accurate Mass: 297.209264

Percentage Composition: C 80.76%; H 9.15%; N 4.71%; O 5.38%

Biological Source: From *Pseudomonas aeruginosa*

Melting Point: Mp 114°

UV: [neutral] λ_{max} 213 (ε 37300); 236 (ε 37000); 316 (ε 12200); 327 (ε 12900) (MeOH) (Berdy)