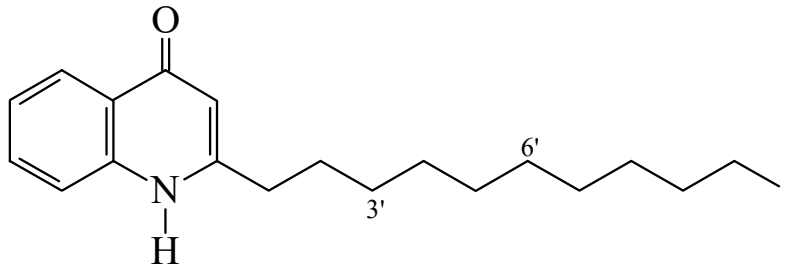
>>**Entry Name: 2-Undecyl-4(1*H*)-quinolinone,** 9CI
Synonym(s): 4-Hydroxy-2-undecylquinoline



CAS Registry Number: 56183-46-1

Molecular Formula: $C_{20}H_{29}NO$
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. (Me_2CO)
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: $C_{20}H_{29}NO_2$
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, 9CI

CAS Registry Number: 59443-02-6

Molecular Formula: $C_{21}H_{31}NO$
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 ($EtOAc/Et_2O$)
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: $C_{20}H_{27}NO$
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)