



CAS Registry Number: 29479-52-5

Molecular Formula: C₁₈H₂₅NO₂

Molecular Weight: 287.401

Accurate Mass: 287.188529

Percentage Composition: C 75.23%; H 8.77%; N 4.87%; O 11.13%

Biological Source: Alkaloid from leaves of *Vepris ampody* (Rutaceae)

Physical Description: Cryst. (Me₂CO)

Melting Point: Mp 50°

>> **Derivative:** 8'-Oxo

Synonym(s): 2-(8-Oxononyl)-4(1*H*)-quinolinone

Molecular Formula: C₁₈H₂₃NO₂

Molecular Weight: 285.385

Accurate Mass: 285.172879

Percentage Composition: C 75.76%; H 8.12%; N 4.91%; O 11.21%

Biological Source: Alkaloid from *Ruta montana*

UV: [neutral] λ_{max} 216 (log ε 4.5); 236 (log ε 4.2); 320 (log ε 3.8); 332 (log ε 3.8) (MeOH)

>> **Derivative:** 8'-Oxo, *N*-Me

Synonym(s): 1-Methyl-2-(8-oxononyl)-4(1*H*)-quinolinone

Molecular Formula: C₁₉H₂₅NO₂

Molecular Weight: 299.412

Accurate Mass: 299.188529

Percentage Composition: C 76.22%; H 8.42%; N 4.68%; O 10.69%

Biological Source: Alkaloid from *Ruta montana*

UV: [neutral] λ_{max} 220 (log ε 4.2); 235 (log ε 4.5); 320 (log ε 3.8); 332 (log ε 3.8) (MeOH)

>> **Variant:** *NH*-form

Molecular Formula: C₁₈H₂₅NO

Molecular Weight: 271.402

Accurate Mass: 271.193614

Percentage Composition: C 79.66%; H 9.28%; N 5.16%; O 5.90%

>> **Derivative:** *N*-Me

Synonym(s): 1-Methyl-2-nonyl-4(1*H*)-quinolinone

CAS Registry Number: 68353-24-2

Molecular Formula: C₁₉H₂₇NO

Molecular Weight: 285.428

Accurate Mass: 285.209264

Percentage Composition: C 79.95%; H 9.53%; N 4.91%; O 5.61%

Biological Source: Alkaloid from *Ruta graveolens* and the ripe fruit of *Evodia rutaecarpa* (Rutaceae)

Physical Description: Plates (C₆H₆/cyclohexane)

Melting Point: Mp 71-75°

>> **Derivative:** *N*-Acetoxymethyl

Synonym(s): 1-Acetoxymethyl-2-nonyl-4(1*H*)-quinolinone

Molecular Formula: C₂₁H₂₉NO₃

Molecular Weight: 343.465

Accurate Mass: 343.214744

Percentage Composition: C 73.44%; H 8.51%; N 4.08%; O 13.97%

Biological Source: Alkaloid from aerial parts of *Boronia bowmanii* (Rutaceae)

Physical Description: Amorph. solid

Melting Point: Mp 79°

>> **Variant:** *OH*-form