



**CAS Registry Number:** 29479-52-5

**Molecular Formula:** C<sub>18</sub>H<sub>25</sub>NO<sub>2</sub>

**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. (Me<sub>2</sub>CO)

**Melting Point:** Mp 50°

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

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

**Molecular Formula:** C<sub>18</sub>H<sub>23</sub>NO<sub>2</sub>

**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<sub>max</sub> 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:** C<sub>19</sub>H<sub>25</sub>NO<sub>2</sub>

**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<sub>max</sub> 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:** C<sub>18</sub>H<sub>25</sub>NO

**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:** C<sub>19</sub>H<sub>27</sub>NO

**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 (C<sub>6</sub>H<sub>6</sub>/cyclohexane)

**Melting Point:** Mp 71-75°

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

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

**Molecular Formula:** C<sub>21</sub>H<sub>29</sub>NO<sub>3</sub>

**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