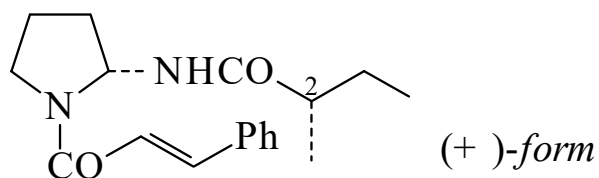




>>Entry Name: Odorine

Synonym(s): 2-Methyl-*N*-[1-(1-oxo-3-phenyl-2-propenyl)-2-pyrrolidinyl]butanamide, 9Cl. *N*-Cinnamoyl-2-(2-methylbutanoylamino)pyrrolidine. Roxburghiline



CAS Registry Number: 72755-20-5

Molecular Formula: C<sub>18</sub>H<sub>24</sub>N<sub>2</sub>O<sub>2</sub>

Molecular Weight: 300.4

Accurate Mass: 300.183778

Percentage Composition: C 71.97%; H 8.05%; N 9.33%; O 10.65%

UV: [neutral] λ<sub>max</sub> 283 (ε 15800) (EtOH) (Derep) [neutral] λ<sub>max</sub> 283 (ε 15850) (MeOH) (Berdy)

>>Variant: (+)-form

Molecular Formula: C<sub>18</sub>H<sub>24</sub>N<sub>2</sub>O<sub>2</sub>

Molecular Weight: 300.4

Accurate Mass: 300.183778

Percentage Composition: C 71.97%; H 8.05%; N 9.33%; O 10.65%

Biological Source: Alkaloid from the leaves of *Aglaia odorata*. Also isol. from *Aglaia roxburghiana* (Meliaceae)

Physical Description: Needles (C<sub>6</sub>H<sub>6</sub>)

Melting Point: Mp 218-219°

Optical Rotation: [α]<sub>D</sub><sup>25</sup> +72.4 (c, 0.03 in CHCl<sub>3</sub>)

>>Derivative: 2,3-Didehydro

Synonym(s): Dehydroodorine

Molecular Formula: C<sub>18</sub>H<sub>22</sub>N<sub>2</sub>O<sub>2</sub>

Molecular Weight: 298.384

Accurate Mass: 298.168128

Percentage Composition: C 72.46%; H 7.43%; N 9.39%; O 10.72%

Biological Source: Alkaloid from leaves of *Aglaia formosana* (Meliaceae)

Use/Importance: Exhibits cytotoxicity against P-388 lymphocytic leukaemia system in cell culture

Physical Description: Needles (MeOH)

Melting Point: Mp 167-168°

Optical Rotation: [α]<sub>D</sub><sup>18</sup> +42.5 (c, 0.01 in CHCl<sub>3</sub>)

UV: [neutral] λ<sub>max</sub> 282 (ε 66000) (MeOH) (Berdy)

>>Derivative: 2'-Epimer

Synonym(s): 5'-Epiodorine

CAS Registry Number: 73069-04-2

Molecular Formula: C<sub>18</sub>H<sub>24</sub>N<sub>2</sub>O<sub>2</sub>

Molecular Weight: 300.4

Accurate Mass: 300.183778

Percentage Composition: C 71.97%; H 8.05%; N 9.33%; O 10.65%

Biological Source: Alkaloid from *Aglaia odorata*

Biological Use/Importance: Cytotoxic agent

Physical Description: Cryst.

Optical Rotation: [α]<sub>D</sub> +34

>>Derivative: 2-Hydroxy

Synonym(s): (–)-Odorinol

CAS Registry Number: 85761-62-2