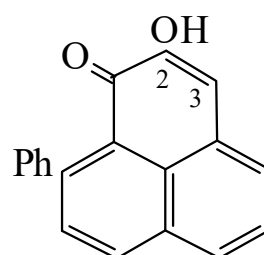




>>Entry Name: 2-Hydroxy-9-phenyl-1*H*-phenalen-1-one, 9Cl

Synonym(s): Anigorufone



CAS Registry Number: 56252-32-5

Related CAS Registry Numbers(s): 149184-20-3

Molecular Formula: C₁₉H₁₂O₂

Molecular Weight: 272.303

Accurate Mass: 272.08373

Percentage Composition: C 83.81%; H 4.44%; O 11.75%

Biological Source: Pigment from *Anigozanthos rufus* and *Musa acuminata*

Use/Importance: Phytoalexin

Physical Description: Orange needles (petrol)

Melting Point: Mp 123-125°

>>Derivative: Me ether

Synonym(s): 2-Methoxy-9-phenyl-1*H*-phenalen-1-one

CAS Registry Number: 56252-05-2

Molecular Formula: C₂₀H₁₄O₂

Molecular Weight: 286.329

Accurate Mass: 286.09938

Percentage Composition: C 83.90%; H 4.93%; O 11.18%

Biological Source: Isol. from *Musa acuminata*

Physical Description: Yellow needles (C₆H₆/petrol)

Melting Point: Mp 107-109°

>>Derivative: 4-Hydroxy

Synonym(s): 2,4-Dihydroxy-9-phenyl-1*H*-phenalen-1-one, 9Cl. **4-Hydroxyanigorufone**

Molecular Formula: C₁₉H₁₂O₃

Molecular Weight: 288.302

Accurate Mass: 288.078645

Percentage Composition: C 79.16%; H 4.20%; O 16.65%

Biological Source: Constit. of *Anigozanthos flavidus*

Physical Description: Red cryst. (CH₂Cl₂)

Melting Point: Mp 115°

UV: [neutral] λ_{max} 224 (log ε 3.7); 272 (log ε 3.6); 330 (log ε 1); 448 (log ε 1.5) (MeOH)

>>Derivative: 4'-Hydroxy

Synonym(s): 2-Hydroxy-9-(4-hydroxyphenyl)-1*H*-phenalen-1-one. **Hydroxyanigorufone**. Emenolone

CAS Registry Number: 56252-02-9

Molecular Formula: C₁₉H₁₂O₃

Molecular Weight: 288.302

Accurate Mass: 288.078645

Percentage Composition: C 79.16%; H 4.20%; O 16.65%

Biological Source: Pigment from *Anigozanthos rufus* and *Musa acuminata*

Use/Importance: Phytoalexin

Physical Description: Red rosettes (EtOH)

Melting Point: Mp 238-242°

Other Data: Struct. of Emenolone revised in 1995