



>>Entry Name: 6-Phenanthridinol, 9CI

Synonym(s): 6(5*H*)-Phenanthridinone, 9CI. 6-Hydroxyphenanthridine. 10-Hydroxyphenanthridine (obsol.)

Molecular Formula: C₁₃H₉NO

Molecular Weight: 195.22

Accurate Mass: 195.068414

Percentage Composition: C 79.98%; H 4.65%; N 7.17%; O 8.20%

Melting Point: Mp 285-290°

Boiling Point: Subl. 295-296°

pKa Value: p*K*_a 0 (20°, H₂SO₄ aq.)

>>Variant: *OH*-form

Molecular Formula: C₁₃H₉NO

Molecular Weight: 195.22

Accurate Mass: 195.068414

Percentage Composition: C 79.98%; H 4.65%; N 7.17%; O 8.20%

>>Derivative: *O*-Benzoyl

CAS Registry Number: 20178-63-6

Molecular Formula: C₂₀H₁₃NO₂

Molecular Weight: 299.328

Accurate Mass: 299.094629

Percentage Composition: C 80.25%; H 4.38%; N 4.68%; O 10.69%

Melting Point: Mp 119°

Other Data: Isomerises rapidly at Mp to *N*-benzoyl

>>Derivative: Me ether

Synonym(s): 6-Methoxyphenanthridine

CAS Registry Number: 107624-46-4

Molecular Formula: C₁₄H₁₁NO

Molecular Weight: 209.247

Accurate Mass: 209.084064

Percentage Composition: C 80.36%; H 5.30%; N 6.69%; O 7.65%

Melting Point: Mp 52°

Boiling Point: Bp₁ 108°

>>Derivative: Phenyl ether

Synonym(s): 6-Phenoxyphenanthridine

Molecular Formula: C₁₉H₁₃NO

Molecular Weight: 271.318

Accurate Mass: 271.099714

Percentage Composition: C 84.11%; H 4.83%; N 5.16%; O 5.90%

Melting Point: Mp 118-119°

>>Variant: *NH*-form

CAS Registry Number: 1015-89-0

Molecular Formula: C₁₃H₉NO

Molecular Weight: 195.22

Accurate Mass: 195.068414

Percentage Composition: C 79.98%; H 4.65%; N 7.17%; O 8.20%

Aldrich: 29963-4

>>Derivative: *N*-Benzoyl

Molecular Formula: C₂₀H₁₃NO₂

Molecular Weight: 299.328

Accurate Mass: 299.094629

Percentage Composition: C 80.25%; H 4.38%; N 4.68%; O 10.69%

Melting Point: Mp 190°