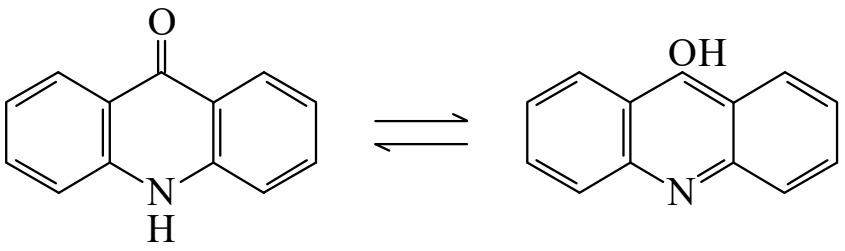
>>**Entry Name: Acridone**
Synonym(s): 9(10*H*)-Acridinone, 9Cl. 9-Hydroxyacridine. 9-Acridinol. Acridol



NH-form *OH-form*

CAS Registry Number: 578-95-0

Molecular Formula: $C_{13}H_9NO$
Molecular Weight: 195.22
Accurate Mass: 195.068414
Percentage Composition: C 79.98%; H 4.65%; N 7.17%; O 8.20%
General Statement: *NH*-form predominates
Biological Source: Constit. of the roots and rhizomes of *Thamnosma montana* (Rutaceae)
Use/Importance: Antineoplastic agent
Physical Description: Yellow leaflets (EtOH)
Melting Point: Mp 356-358°. Mp 362-365 dec.°
Solubility: Insol. Et_2O, C_6H_6, $CHCl_3$
pKa Value: pK_{a1} –0.32 (20°, H_2SO_4 aq.)

Aldrich: 15021-5
Fluka: 1670
Rare Chemicals Library: S43037-4
Sigma: A2649

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

Molecular Formula: $C_{13}H_9NO$
Molecular Weight: 195.22
Accurate Mass: 195.068414
Percentage Composition: C 79.98%; H 4.65%; N 7.17%; O 8.20%

>>**Derivative:** *N*-Benzoyl
Synonym(s): 10-Benzoyl-9(10*H*)-acridinone, 9Cl

CAS Registry Number: 57479-66-0
Molecular Formula: $C_{20}H_{13}NO_2$
Molecular Weight: 299.328
Accurate Mass: 299.094629
Percentage Composition: C 80.25%; H 4.38%; N 4.68%; O 10.69%
Physical Description: Yellow plates (hexane or by subl.)
Melting Point: Mp 198-200°

>>**Derivative:** *N*-Me
see 10-Methylacridone, FXS46-J

>>**Derivative:** *N*-Et
Synonym(s): 10-Ethylacridone

CAS Registry Number: 2207-41-2
Molecular Formula: $C_{15}H_{13}NO$
Molecular Weight: 223.274
Accurate Mass: 223.099714
Percentage Composition: C 80.69%; H 5.87%; N 6.27%; O 7.17%
Melting Point: Mp 159°

>>**Derivative:** *N*-Ph
see 10-Phenyl-9(10*H*)-acridinone, FZL26-I