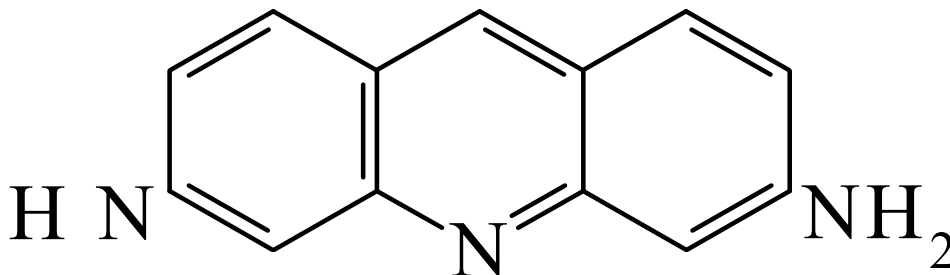




>>Entry Name: **3,6-Acridinediamine**, 9CI

Synonym(s): 3,6-Diaminoacridine. 2,8-Diaminoacridine (obsol.). **Proflavine**, INN. Isoflav. Pancridine. Sanoflavin



CAS Registry Number: 92-62-6

Related CAS Registry Numbers(s): 86-40-8 8048-52-0

Molecular Formula: $C_{13}H_{11}N_3$

Molecular Weight: 209.25

Accurate Mass: 209.095297

Percentage Composition: C 74.62%; H 5.30%; N 20.08%

Use/Importance: Derivs. are antiseptics. A DNA intercalator

Physical Description: Yellow cryst.

Melting Point: Mp 284-286°

pKa Value: pK_{a1} 9.6 (20°)

Calculated Log P Data: Log P 2.31 (calc)

Other Data: Green fluor. in EtOH, blue in H_2SO_4

Hazard & Toxicity: Potent mutagen. LD₅₀ (mus, scu) 140 mg/kg

>>Derivative: Hydrochloride

CAS Registry Number: 952-23-8

Melting Point: Mp 270 dec.°

Aldrich: 13110-5

Sigma: P4646

>>Derivative: Sulfate

CAS Registry Number: 553-30-0

Use/Importance: Antiseptic

Physical Description: Red or red-brown cryst. + $1H_2O$

Solubility: Spar. sol. H_2O