>>**Entry Name: 1,5-Diaminoanthraquinone,** 8CI
Synonym(s): 1,5-Diamino-9,10-anthracenedione, 9CI

CAS Registry Number: 129-44-2

Molecular Formula: $C_{14}H_{10}N_2O_2$
Molecular Weight: 238.245
Accurate Mass: 238.074228
Percentage Composition: C 70.58%; H 4.23%; N 11.76%; O 13.43%
Use/Importance: Monomer used in coloured polyamides
Physical Description: Red cryst. (EtOH or AcOH)
Melting Point: Mp 308 dec.°
Solubility: Spar. sol. EtOH, Et_2O, C_6H_6, $CHCl_3$, Me_2CO
Hazard & Toxicity: Mutagenic props. LD_{50} (rat, ipr) 1300 mg/kg. Eye irritant

Aldrich: 36784-2

>>**Derivative:** 1,5-*N*-Di-Ac

CAS Registry Number: 129-30-6
Molecular Formula: $C_{18}H_{14}N_2O_4$
Molecular Weight: 322.32
Accurate Mass: 322.095358
Percentage Composition: C 67.08%; H 4.38%; N 8.69%; O 19.86%
Melting Point: Mp 317°

>>**Derivative:** 1,5-*N*-Dibenzoyl
Synonym(s): Caledon Yellow 3G. Yellow Algol R

CAS Registry Number: 82-18-8
Molecular Formula: $C_{28}H_{18}N_2O_4$
Molecular Weight: 446.461
Accurate Mass: 446.126658
Percentage Composition: C 75.33%; H 4.06%; N 6.27%; O 14.33%
Use/Importance: Dye for synthetic fabrics
Melting Point: Mp 350°

References:

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