>>**Entry Name: 2,6-Diaminoanthraquinone,** 8CI
Synonym(s): 2,6-Diamino-9,10-anthracenedione, 9CI

CAS Registry Number: 131-14-6

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%
Physical Description: Reddish-brown prisms (Py aq.)
Melting Point: Mp 310-320°
Solubility: Insol. $CHCl_3$
Hazard & Toxicity: Mutagenic props. Eye irritant

Aldrich: D1200-7

>>**Derivative:** *N*,*N*'-Dibenzoyl

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%
Melting Point: Mp 300°

>>**Derivative:** *N*,*N*,*N*',*N*'-Tetra-Me
Synonym(s): 2,6-Bis(dimethylamino)-9,10-anthracenedione, 9CI

CAS Registry Number: 106580-21-6
Molecular Formula: $C_{18}H_{18}N_2O_2$
Molecular Weight: 294.352
Accurate Mass: 294.136828
Percentage Composition: C 73.45%; H 6.16%; N 9.52%; O 10.87%
Physical Description: Orange needles
Melting Point: Mp 320-325°

References:

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Shchleglova, N.A. *et al.*, *Zh. Fiz. Khim.*, 1968, **42**, 2724, *(uv)*
Keller, F. *et al.*, *J. Prakt. Chem.*, 1998, **340**, 642-648, *(N,N,N',N'-tetra-Me)*
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