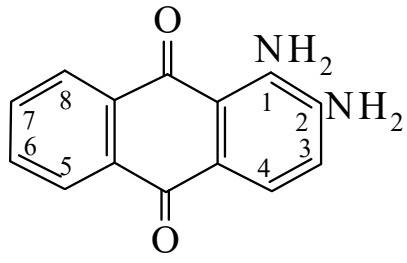
>>**Entry Name: 1,2-Diaminoanthraquinone,** 8CI
Synonym(s): 1,2-Diamino-9,10-anthracenedione, 9CI



CAS Registry Number: 1758-68-5

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: Gives colour reactions with Fe(*III*), Co, Ni, Cu
Physical Description: Violet cryst. with bronze lustre ($PhNO_2$)
Melting Point: Mp 303°
pKa Value: pK_a 5.68 ($MeNO_2$)
Hazard & Toxicity: LD_{50} (rat, ipr) 2700 mg/kg. Mutagenic props.

Aldrich: D1158-2

>>**Derivative:** 1,2-*N*-Dibenzoyl

CAS Registry Number: 56250-76-1
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 355°

References:

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