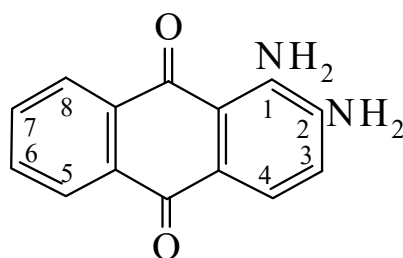




>>Entry Name: 1,2-Diaminoanthraquinone, 8CI
Synonym(s): 1,2-Diamino-9,10-anthracenedione, 9CI



CAS Registry Number: 1758-68-5

Molecular Formula: C₁₄H₁₀N₂O₂

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 (PhNO₂)

Melting Point: Mp 303°

pKa Value: pK_a 5.68 (MeNO₂)

Hazard & Toxicity: LD₅₀ (rat, ipr) 2700 mg/kg. Mutagenic props.

Aldrich: D1158-2

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

CAS Registry Number: 56250-76-1

Molecular Formula: C₂₈H₁₈N₂O₄

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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