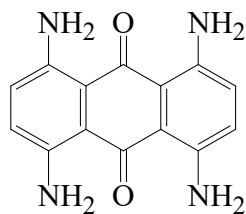




>>Entry Name: **1,4,5,8-Tetraaminoanthraquinone**

Synonym(s): 1,4,5,8-Tetraamino-9,10-anthracenedione, 9Cl. C.I. Disperse Blue 1. C.I. Solvent Blue 18. C.I. 61505



CAS Registry Number: 2475-45-8

Molecular Formula: $C_{14}H_{12}N_4O_2$

Molecular Weight: 268.274

Accurate Mass: 268.096026

Percentage Composition: C 62.68%; H 4.51%; N 20.88%; O 11.93%

Use/Importance: Hair dye. Semiconductor

Physical Description: Red-brown needles (EtOH)

Melting Point: Mp 331-332°

Hazard & Toxicity: Carcinogenic, mutagenic

References:

Kartaschoff, V. *et al.*, *Helv. Chim. Acta*, 1928, **11**, 813-836, (*synth*)

Labhart, H., *Helv. Chim. Acta*, 1957, **40**, 1410-1420, (*synth*)

Griller, D. *et al.*, *J.C.S. Perkin 2*, 1983, 1373-1379, (*cmr*)