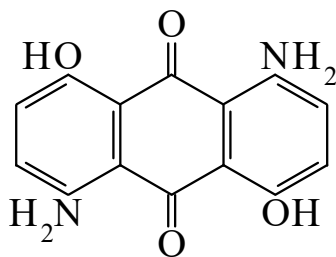




>>Entry Name: **1,5-Diamino-4,8-dihydroxyanthraquinone**

Synonym(s): 1,5-Diamino-4,8-dihydroxy-9,10-anthracenedione, 9Cl. 4,8-Diaminoanthrarufin



CAS Registry Number: 145-49-3

Molecular Formula: $C_{14}H_{10}N_2O_4$

Molecular Weight: 270.244

Accurate Mass: 270.064058

Percentage Composition: C 62.22%; H 3.73%; N 10.37%; O 23.68%

Use/Importance: Used as a 0.1% soln. in conc. H_2SO_4 for photometric detn. of B

Physical Description: Dark red cryst. powder

Solubility: Sol. conc. H_2SO_4 ; spar. sol. H_2O , EtOH

Rare Chemicals Library: S17516-1

References:

Brass, K. *et al.*, *Ber.*, 1928, **61**, 983, (*synth*)

Wuensch, G. *et al.*, *Fresenius' Z. Anal. Chem.*, 1972, **258**, 30, (*use*)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, DBP909