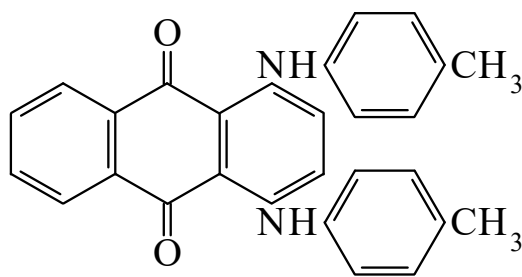




>>Entry Name: 1,4-Bis[(4-methylphenylamino)]-9,10-anthracenedione, 9CI

Synonym(s): 1,4-Bis(4-methylanilino)anthraquinone. C.I. Solvent green 3. C.I. 61565



CAS Registry Number: 128-80-3

Molecular Formula: C₂₈H₂₂N₂O₂

Molecular Weight: 418.494

Accurate Mass: 418.168128

Percentage Composition: C 80.36%; H 5.30%; N 6.69%; O 7.65%

Use/Importance: Commercially available, used for photometric detn. of La, U(*VT*)

Physical Description: Dark green cryst. powder

Solubility: Sol. C₆H₆, acids; sl. sol. Me₂CO; insol. H₂O, EtOH

Aldrich: 21198-2

Rare Chemicals Library: S36132-1

Sigma: S8007

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **2**, 1019C, (*ir*)

Sigma-Aldrich Library of Stains, Dyes and Indicators, 649

Idriss, K.A. *et al.*, *Analyst (London)*, 1985, **110**, 709, (*detn, La*)

Idriss, K.A. *et al.*, *Polyhedron*, 1985, **4**, 1521, (*detn, U*)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials, 8th edn.*, Van Nostrand Reinhold, 1992, BLK000