



Molecular Formula: C₁₆H₁₄N₂O₂
Molecular Weight: 266.299
Accurate Mass: 266.105528
Percentage Composition: C 72.17%; H 5.30%; N 10.52%; O 12.02%
Melting Point: Mp 221-223°

>>Derivative: *N,N'*-Dibutyl

Synonym(s): 1,4-Bis(butylamino)anthraquinone. Solvent Blue 35

CAS Registry Number: 17354-14-2
Molecular Formula: C₂₂H₂₆N₂O₂
Molecular Weight: 350.46
Accurate Mass: 350.199428
Percentage Composition: C 75.40%; H 7.48%; N 7.99%; O 9.13%
Use/Importance: Dye
Melting Point: Mp 120-121°

>>Derivative: *N,N'*-Diisopropyl

Synonym(s): 1,4-Bis(isopropylamino)anthraquinone. Dispense Blue 134. Solvent Blue 36

CAS Registry Number: 14233-37-5
Molecular Formula: C₂₀H₂₂N₂O₂
Molecular Weight: 322.406
Accurate Mass: 322.168128
Percentage Composition: C 74.51%; H 6.88%; N 8.69%; O 9.93%
Use/Importance: Dye
Physical Description: Cryst. (hexane/C₆H₆)
Melting Point: Mp 179-180°

>>Derivative: *N*-Ph

Synonym(s): 1-Amino-4-anilinoanthraquinone. C.I. Dispense Blue 19. C.I. Solvent Blue 68

CAS Registry Number: 4395-65-7
Physical Description: Dark cryst (C₆H₆/petrol)

References:

- Aldrich Library of FT-IR Spectra*, 1st edn., 1985, **1**, 90C, (*ir*)
Aldrich Atlas of IR Spectra, 2nd Ed., 789B, (*ir*)
U.K. Pat., 1933, 396662; *CA*, **28**, 654², (*N*-Me)
U.K. Pat., 1938, 489172; *CA*, **33**, 182³, (*N,N'*-Di-Me)
Abe, R., *Nippon Kagaku Kaishi*, 1951, **54**, 110; *CA*, **47**, 4867, (*synth*)
Beynon, J.H. *et al.*, *Appl. Spectrosc.*, 1960, **14**, 156, (*ms*)
Shcheglova, N.A. *et al.*, *Zh. Fiz. Khim.*, 1968, **42**, 2724, (*uv*)
Colour Index, 3rd. edn., 1971, 4537-4540, (*N*-alkyl derivs, props, bibl)
Gangneux, P. *et al.*, *Bull. Soc. Chim. Fr.*, 1973, 1483, (*polyamides*)
Morley, J.O. *et al.*, *Synthesis*, 1976, **8**, 528, (*synth*)
Birch, A.M. *et al.*, *Chem. Comm.*, 1977, 745, (*cmr*)
Litvinenko, L.M. *et al.*, *Dokl. Akad. Nauk SSSR*, 1978, **238**, 1152; *CA*, **89**, 110904t, (*polyurethanes*)
U.K. Pat., 1978, 1504137; *CA*, 112381u, (*N,N'*-diisopropyl)
Chippendale, A.M. *et al.*, *J.C.S. Perkin 2*, 1983, 1357-1361, (*N,N'*-diisopropyl, *N,N'*-dibutyl, *cryst struct*)
Kuruksev, T. *et al.*, *Acta Cryst. C*, 1987, **C43**, 2226-2228, (*N*-Ph, *cryst struct*)
Srinivasan, K.V. *et al.*, *Dyes Pigm.*, 1987, **8**, 225-230, (*N*-Ph, *synth*, *uv*, *props*)
Zielske, A.G., *J.O.C.*, 1987, **52**, 1305-1309, (*N,N'*-dibutyl)
Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, AIB250; DBP000