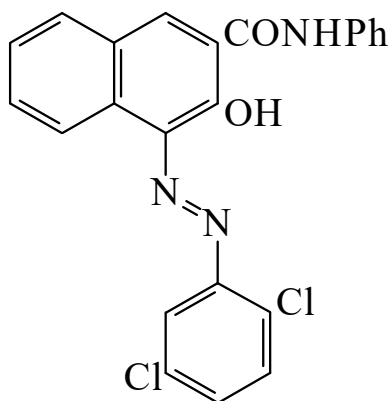




>>Entry Name: Permanent Red FRR

Synonym(s): 4-[(2,5-Dichlorophenyl)azo]-3-hydroxy-*N*-phenyl-2-naphthalenecarboxamide, 9Cl. C.I. 12310. C.I. Pigment red 2



CAS Registry Number: 6041-94-7

Molecular Formula: $C_{23}H_{15}Cl_2N_3O_2$

Molecular Weight: 436.296

Accurate Mass: 435.054131

Percentage Composition: C 63.32%; H 3.47%; Cl 16.25%; N 9.63%; O 7.33%

Use/Importance: Pigment for printing inks

Physical Description: Yellow-red solid (toluene)

Melting Point: Mp 310-311°

References:

Colour Index, 3rd edn., 1971, **4**, 4035, (rev)

Whitaker, A. *et al.*, *J. Appl. Crystallogr.*, 1975, **8**, 565, (cryst struct)

Eur. Pat., 1987, 244 686; *CA*, **108**, 133395c, (synth)