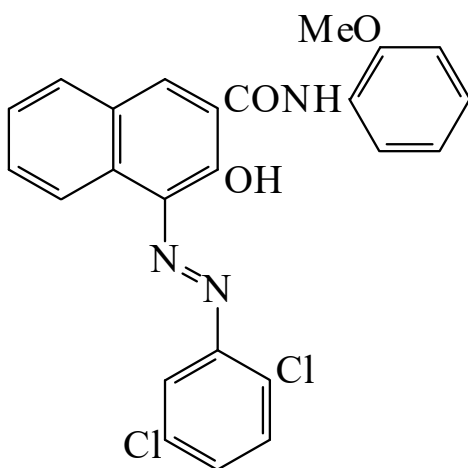




>>Entry Name: Permanent Red FRL

Synonym(s): 4-[(2,5-Dichlorophenyl)azo]-3-hydroxy-*N*-(2-methoxyphenyl)-2-naphthalenecarboxamide, 9Cl. C.I. 12460. C.I. Pigment red 9



CAS Registry Number: 6410-38-4

Molecular Formula: $C_{24}H_{17}Cl_2N_3O_3$

Molecular Weight: 466.322

Accurate Mass: 465.064696

Percentage Composition: C 61.82%; H 3.67%; Cl 15.21%; N 9.01%; O 10.29%

Use/Importance: Pigment for printing inks

Physical Description: Scarlet needles with golden lustre (toluene)

Melting Point: Mp 280°

References:

Rowe, F.M., *J. Soc. Dyers Colour.*, 1930, **46**, 227, (*synth*)

Colour Index, 3rd edn., 1971, **4**, 4038, (*rev*)

Eur. Pat., 1988, 319 452; *CA*, **111**, 196741v, (*synth*)