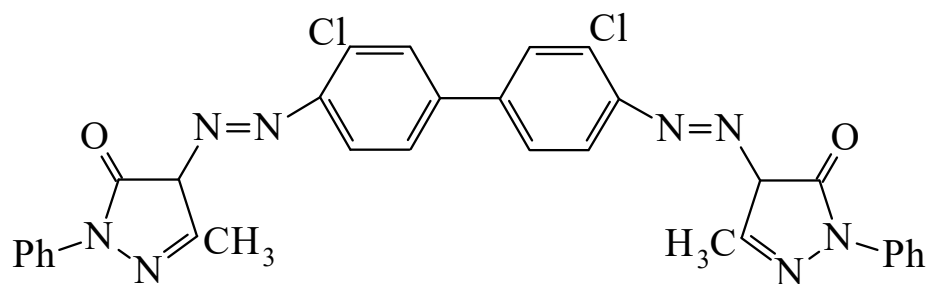




>>Entry Name: Permanent orange G

Synonym(s): 4,4'-[(3,3'-Dichloro-[1,1'-biphenyl]-4,4'-diyl)bis(azo)]bis[2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-one], 9Cl. C.I. 21110. C.I. Pigment orange 13



CAS Registry Number: 3520-72-7

Molecular Formula: $C_{32}H_{24}Cl_2N_8O_2$

Molecular Weight: 623.499

Accurate Mass: 622.139926

Percentage Composition: C 61.64%; H 3.88%; Cl 11.37%; N 17.97%; O 5.13%

Use/Importance: Pigment for printing inks

Physical Description: Red-orange solid

References:

Colour Index, 3rd. Edn, 1971, **4**, 4155, (rev)

U.S. Pat., 1990, 4 946 508; *CA*, **113**, 214047w, (synth)