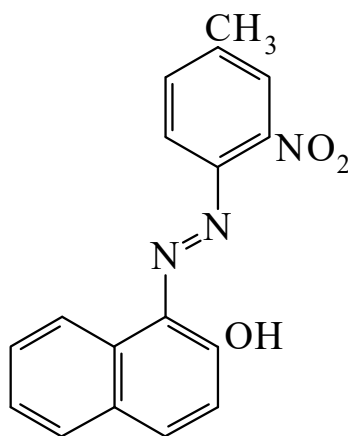




>>Entry Name: Permanent Red 4R

Synonym(s): 1-[(4-Methyl-2-nitrophenyl)azo]-2-naphthalenol, 9Cl. C.I. 12120. C.I. Pigment red 3. Toluidine red



CAS Registry Number: 2425-85-6

Molecular Formula: C₁₇H₁₃N₃O₃

Molecular Weight: 307.308

Accurate Mass: 307.095692

Percentage Composition: C 66.44%; H 4.26%; N 13.67%; O 15.62%

Use/Importance: Pigment for printing inks

Physical Description: Red cryst. (AcOH)

Melting Point: Mp 278°

Aldrich: 19975-3

Sigma: T0638

References:

Rowe, F.M. *et al.*, *J. Soc. Dyers Colour.*, 1924, **40**, 218, (*synth*)

Colour Index, 3rd edn., 1971, **4**, 4031, (*rev*)

Czech. Pat., 1979, 176 653; *CA*, **91**, 22419z, (*synth*)

Eur. Pat., 1987, 244 687; *CA*, **108**, 133394b, (*synth*)