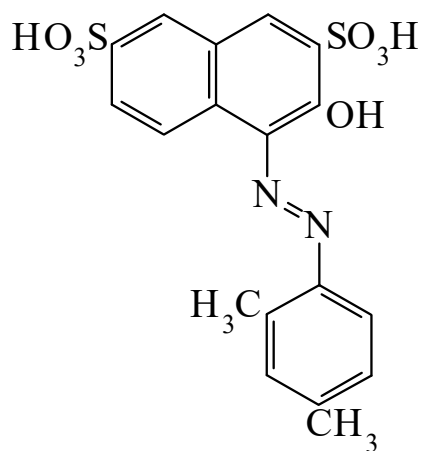




>>Entry Name: Acid red 26

Synonym(s): 4-[(2,4-Dimethylphenyl)azo]-3-hydroxy-2,7-naphthalenedisulfonic acid, 9Cl. Ponceau red 2RL. C.I. 16150



CAS Registry Number: 7481-49-4

Molecular Formula: $C_{18}H_{16}N_2O_7S_2$

Molecular Weight: 436.466

Accurate Mass: 436.039893

Percentage Composition: C 49.53%; H 3.69%; N 6.42%; O 25.66%; S 14.69%

General Statement: Strictly, the name Acid red 26 applies to the disodium salt

>>Derivative: Di-Na salt

CAS Registry Number: 3761-53-3

Use/Importance: Used as a 0.5% aq. soln. for photometric detn. of Pd ($\lambda_{\max}$ 610 nm)

Physical Description: Dark red cryst. powder

Solubility: Sol. H_2O ; spar. sol EtOH, Me_2CO ; insol. Et_2O , C_6H_6

Aldrich: 19976-1

Fluka: 81465

Rare Chemicals Library: S44167-8

Sigma: P2395

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **2**, 982A, (ir)

Sigma-Aldrich Library of Stains, Dyes and Indicators, 742

Popa, G. *et al.*, *Stud. Cercet. Chim.*, 1964, **13**, 601; *CA*, **62**, 7105c, (detn, Pd)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, FMU070