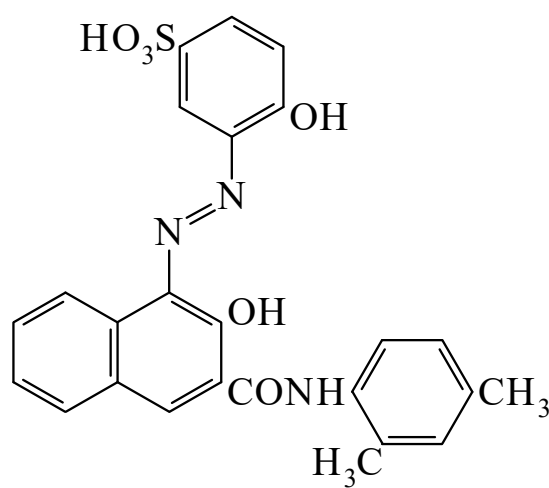




>>Entry Name: Magon

Synonym(s): 3-[[4-[[[(2,4-Dimethylphenyl)amino]carbonyl]-2-hydroxy-1-naphthalenyl]azo]-4-hydroxybenzenesulfonic acid, 9Cl. 1-Azo-2-hydroxy-3-(2,4-dimethylcarboxanilido)naphthalene-1'-(2-hydroxybenzene-5-sulfonic acid). Xylidyl blue I



CAS Registry Number: 36505-52-9

Related CAS Registry Numbers(s): 14936-97-1

Molecular Formula: C₂₅H₂₁N₃O₆S

Molecular Weight: 491.523

Accurate Mass: 491.115107

Percentage Composition: C 61.09%; H 4.31%; N 8.55%; O 19.53%; S 6.52%

Use/Importance: Used as 0.015% soln. in EtOH for photometric detn. of Mg ($\lambda_{\max}$ 510 nm, pH =9)

Physical Description: Brilliant red cryst.

Solubility: Sol. H₂O, EtOH

References:

Mann, C.K. *et al.*, *Anal. Chem.*, 1956, **28**, 202, (*synth, detn, Mg*)

Mann, C.K. *et al.*, *Anal. Chim. Acta*, 1957, **16**, 155, (*detn, Mg*)

Apple, R.F. *et al.*, *Talanta*, 1961, **8**, 419, (*detn, Mg*)

Cheng, K.L. *et al.*, *Handbook of Organic Analytical Reagents*, CRC Press, Boca Raton, 1982, 154, (*use*)