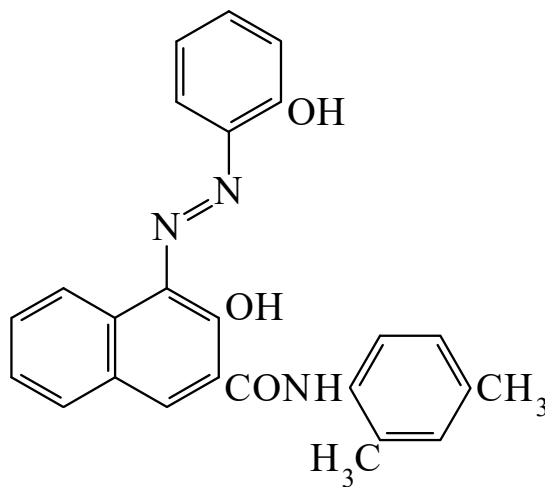




>>Entry Name: Xylidine blue II

ENTRY UNDER REVIEW

**Synonym(s):** *N*-(2,4-Dimethylphenyl)-3-hydroxy-4-[(2-hydroxyphenyl)azo]-2-naphthalenecarboxamide, 9Cl. Magon



**CAS Registry Number:** 523-67-1

**Molecular Formula:** C<sub>25</sub>H<sub>21</sub>N<sub>3</sub>O<sub>3</sub>

**Molecular Weight:** 411.459

**Accurate Mass:** 411.158292

**Percentage Composition:** C 72.98%; H 5.14%; N 10.21%; O 11.67%

**Use/Importance:** Used as 0.01% soln. in EtOH for photometric detn. of Mg ( $\lambda_{\text{max}}$  505 nm)

**Physical Description:** Red cryst. (EtOH)

**Melting Point:** Mp 246-247°

**Solubility:** Sol. common org. solvs.; insol. H<sub>2</sub>O

**Fluka:** 63150

**Sigma:** M1391

#### References:

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

Maurice, M.J., *Anal. Chim. Acta*, 1959, **20**, 181, (*detn, Mg*)

Bialek, E., *Diagn. Lab.*, 1975, **11**, 393, (*detn, Mg*)