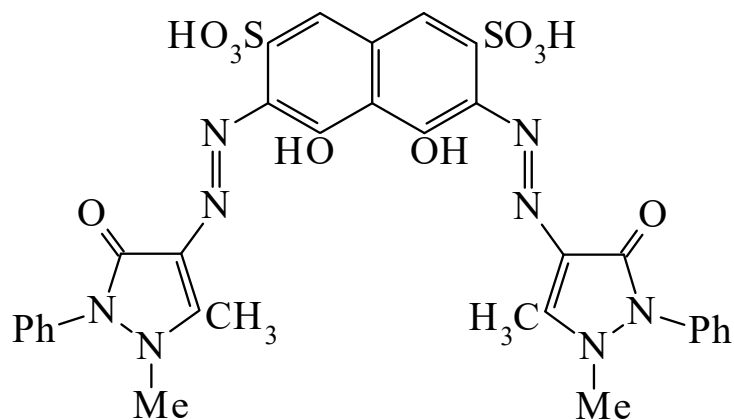




>>Entry Name: Antipyrilazo III

Synonym(s): 3,6-Bis[(2,3-dihydro-1,5-dimethyl-3-oxo-2-phenyl-1*H*-pyrazol-4-yl)azo]-4,5-dihydroxy-2,7-naphthalenedisulfonic acid, 9Cl. Antipyrine S. Diantipyrilazo



CAS Registry Number: 14918-39-9

Molecular Formula: C₃₂H₂₈N₈O₁₀S₂

Molecular Weight: 748.753

Accurate Mass: 748.136982

Percentage Composition: C 51.33%; H 3.77%; N 14.97%; O 21.37%; S 8.57%

Use/Importance: Used as a 0.01*M* aq. soln. for photometric detn. of Ca ($\lambda_{\max}$ 605 nm, ϵ 21500), lanthanides, Y

Physical Description: Greyish-green lustrous cryst. (H₂O)

Solubility: Sol. H₂O, alkalis; insol. C₆H₆, CCl₄

Fluka: 10795

Sigma: A8427

References:

Budesinsky, B.W. *et al.*, *Anal. Chim. Acta*, 1966, **36**, 246; **71**, 343, (*detn. lanthanides, Ca*)

Savvin, S.B. *et al.*, *Zh. Anal. Khim.*, 1971, **26**, 164, (*synth*)