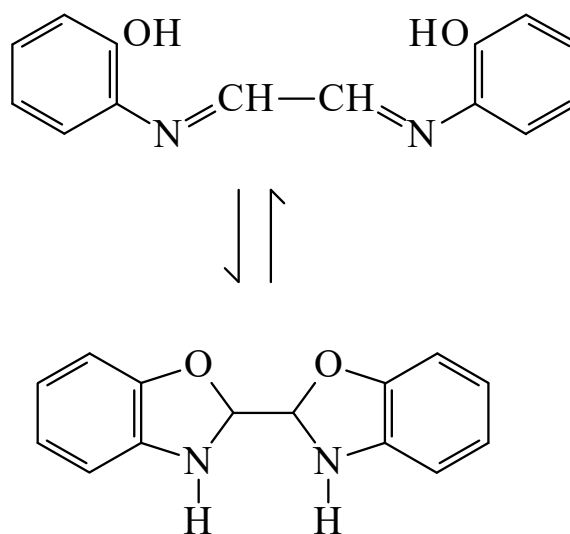




>>Entry Name: Glyoxal bis(2-hydroxyanil)

Synonym(s): 2,2'-(Ethanediylidenedinitrilo)diphenol, 9Cl. Di(*o*-hydroxyphenylimino)ethane. 2,2'-Benzoxazoline. GBHA



CAS Registry Number: 1149-16-2

Molecular Formula: C₁₄H₁₂N₂O₂

Molecular Weight: 240.261

Accurate Mass: 240.089878

Percentage Composition: C 69.99%; H 5.03%; N 11.66%; O 13.32%

Use/Importance: Used as 0.05% soln. in MeOH for photometric detn. of Ca ($\lambda_{\max}$ 516 nm, ϵ 18000) Sc, Mn, Ni, U

Physical Description: Pale yellow needles (MeOH)

Melting Point: Mp 201-205°

Solubility: Sol. alkalis; sl. sol. MeOH, EtOH, C₆H₆, dioxan; insol. H₂O

Aldrich: G1040-7

Fluka: 50680

Sigma: G4377

References:

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Fifield, J.A. *et al.*, *Analyst (London)*, 1969, **94**, 503, (*detn. Ca*)

Hunter, G., *Analyst (London)*, 1972, **97**, 233, (*detn. Ca*)

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