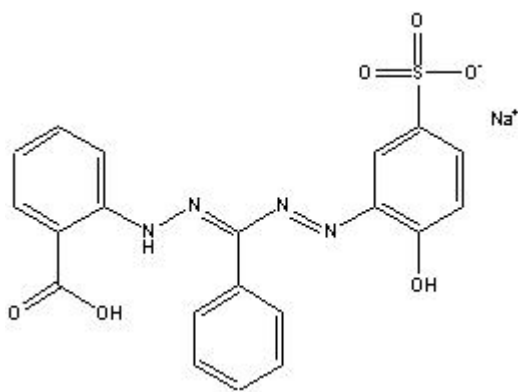


TECHNICAL INFORMATION

Catalog Number: 158317

Zincon

Structure:



Molecular Formula: C₂₀H₁₅N₄O₆SNa

Formula Weight: 462.42

CAS # 62625-22-3

Synonym: 2-Carboxy-2'-hydroxy-5'-sulfoformazylbenzene; o-(2-[a-(2-Hydroxy-5-sulfophenylazo)-benzylidene]hydrazino)-benzoic acid, sodium salt

Physical Appearance: Dark red-violet crystalline powder.

Solubility: Slightly soluble in water and alcohol. Insoluble in most organic solvents. Soluble in aqueous alkali resulting in a red solution.

Properties: Reacts with Zn (pH 8.5 - 9.5) and Cu (pH 5.0 - 9.5) to form blue chelates. Also color reaction occurs with Co, Ni and some other polyvalent cations. Beer's law is observed in the range of 0.1 - 2.4 ug Cu/ml in water at 600 mu.

Uses: As a metal indicator for EDTA titration of Zn, or for the back titration of Ca in the presence of Mg with glycoetherdiaminetetraacetic acid (GEDTA or EGTA). As a colorimetric reagent for Zn, Cu, and Hg.

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