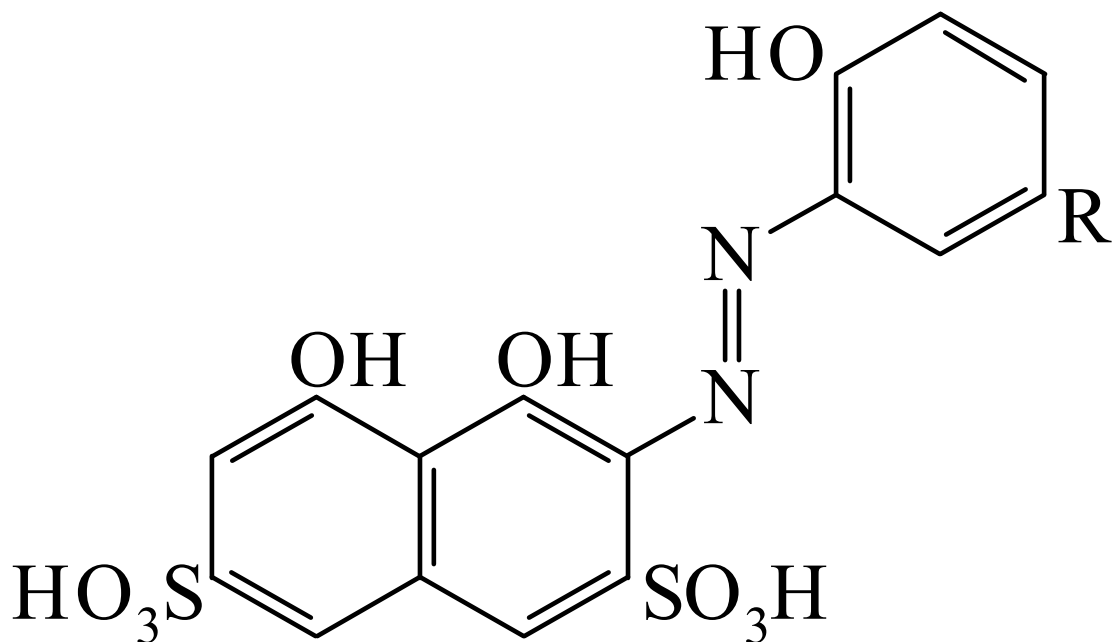




>>Entry Name: Acid chrome blue K

Synonym(s): 4,5-Dihydroxy-3-[(2-hydroxy-5-sulfophenyl)azo]-2,7-naphthalenedisulfonic acid. 7-(2-Hydroxy-5-sulfophenylazo)chromotropic acid. C.I. Mordant blue 31. C.I. 16675



CAS Registry Number: 25849-37-0

Molecular Formula: C₁₆H₁₂N₂O₁₂S₃

Molecular Weight: 520.475

Accurate Mass: 519.955238

Percentage Composition: C 36.92%; H 2.32%; N 5.38%; O 36.89%; S 18.48%

>>Derivative: Tri-Na salt

CAS Registry Number: 3270-25-5

Use/Importance: Used as 0.1% aq. or EtOH soln. in photometric detn. of Nb, V, Zr, Mg (λ_{max} 505 nm); fluorimetric detn. of Al, Ga, Sc; as metal indicator for Ca (pH 12), Cd, Mg, Pb, Zn (pH 10), La, Th, Y