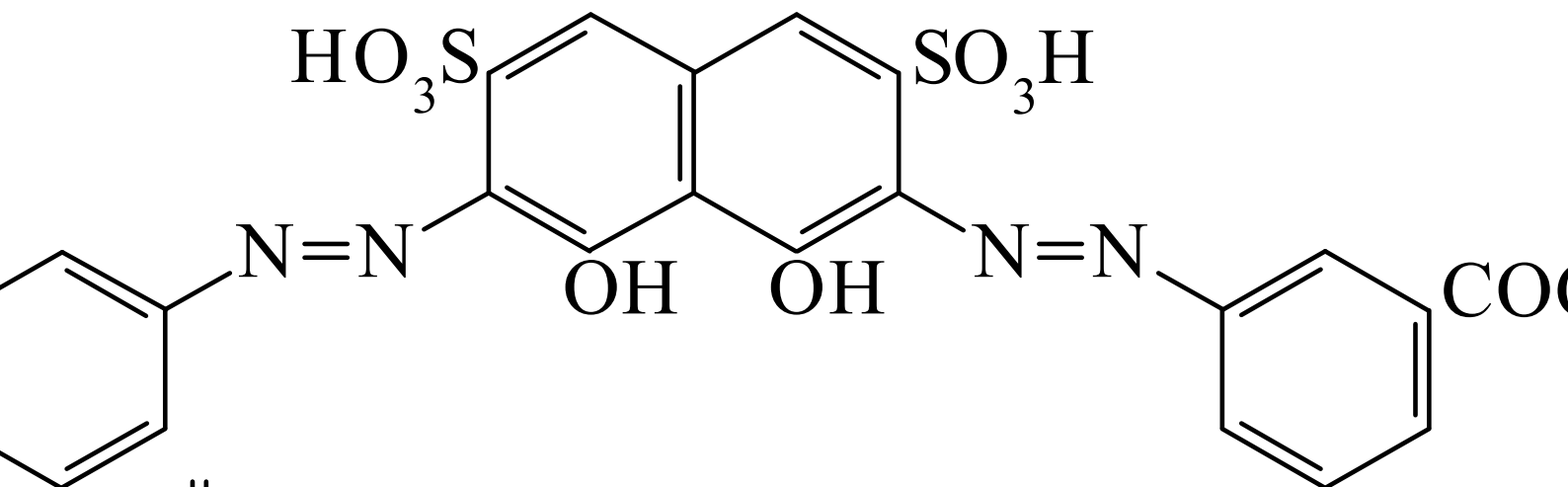




>>Entry Name: 3-[(3-Acetylphenyl)azo]-6-[(4-chloro-2-phosphonophenyl)azo]-4,5-dihydroxy-2,7-naphthalenedisulfonic acid, 9Cl

Synonym(s): Chlorophosphonazo mA



CAS Registry Number: 86167-87-5



Molecular Formula: $C_{24}H_{18}ClN_4O_{12}PS_2$

Molecular Weight: 684.984

Accurate Mass: 683.97888

Percentage Composition: C 42.08%; H 2.65%; Cl 5.18%; N 8.18%; O 28.03%; P 4.52%; S 9.36%

Use/Importance: Used as 0.015% aq. soln. for photometric detn. of Ca (λ_{max} 630 nm, ϵ 3900)

Physical Description: Dark cryst. powder

Solubility: Sol. H_2O

References:

Qui, X. *et al.*, *Analyst (London)*, 1983, **108**, 754, (*synth, use, detn, Ca*)