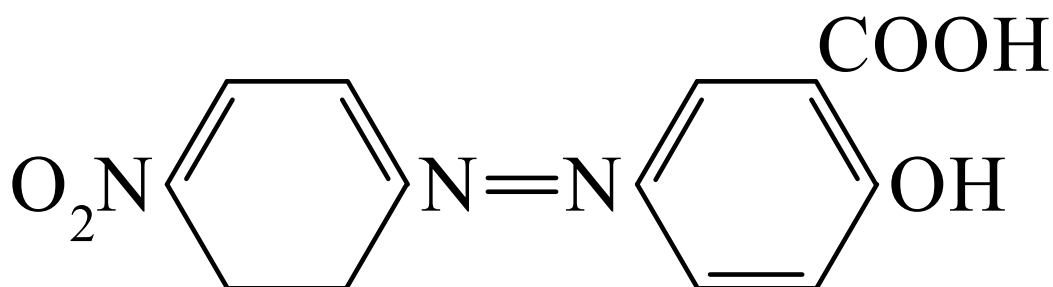




>>Entry Name: Alizarine chrome orange G

Synonym(s): 2-Hydroxy-5-[(4-nitrophenyl)azo]benzoic acid, 9CI. 5-[(p-Nitrophenyl)azo]salicylic acid. 4'-Nitro-4-oxyazobenzene-3-carboxylic acid. Alizarine orange 2GN. C.I. Mordant orange 1. Azochromol orange R. Brasilon chrome orange R. Kenachrome orange. C.I. 14030. Many other names



CAS Registry Number: 2243-76-7

Molecular Formula: C₁₃H₉N₃O₅

Molecular Weight: 287.231

Accurate Mass: 287.054222

Percentage Composition: C 54.36%; H 3.16%; N 14.63%; O 27.85%

Other Data: Available as acid or monosodium salt

Aldrich: 19507-3

Fluka: 5580

>>Derivative: Na salt

CAS Registry Number: 1718-34-9

Use/Importance: Used as 0.1% aq. soln. as acid-base indicator, (pH range 10.1-12.1; colour change yellow→brown-red)

Physical Description: Brown-yellow needles

Melting Point: Mp 253-257 dec.°

Solubility: Sol. EtOH, H₂O; spar. sol. Me₂CO; insol. CHCl₃, C₆H₆

pKa Value: pK_a 11.05

Sigma: A4146

References: