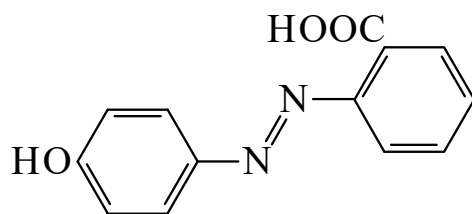




>>Entry Name: 4'-Hydroxyazobenzene-2-carboxylic acid

Synonym(s): 2-[(4-Hydroxyphenyl)azo]benzoic acid, 9CI



CAS Registry Number: 1634-82-8

Molecular Formula: C₁₃H₁₀N₂O₃

Molecular Weight: 242.234

Accurate Mass: 242.069143

Percentage Composition: C 64.46%; H 4.16%; N 11.56%; O 19.81%

Use/Importance: Dye used in protein affinity binding studies, eg shows conc. dependent uv-vis shifts on binding to the biotin-complexing protein avidin

Physical Description: Light yellow-tan needles (MeOH)

Melting Point: Mp 207-208°

Other Data: λ_{max} 348 nm

Aldrich: 14803-2

Fluka: 54793

Sigma: H5126

References:

Ospenson, J.A. *et al.*, *Acta Chem. Scand.*, 1951, **4**, 1351, (*synth*)

Harlow, R.L. *et al.*, *Acta Cryst. C*, 1992, **48**, 48, (*cryst struct*)

Weber, P.C. *et al.*, *J.A.C.S.*, 1994, **116**, 2717, (*use*)