



>>Entry Name: Acetato(4-aminophenyl)mercury

Synonym(s): (4-Aminophenyl)mercury acetate. 4-(Acetoxymercuri)aniline

CAS Registry Number: 6283-24-5

Molecular Formula: C₈H₉HgNO₂

Molecular Weight: 351.755

Accurate Mass: 353.033946

Percentage Composition: C 27.32%; H 2.58%; Hg 57.03%; N 3.98%; O 9.10%

Source/Synthesis: Synth. from Hg(OAc)₂ and PhNH₂ in MeOH

Use/Importance: Homocouples in presence of PdCl₂/Py

Physical Description: Prisms (CHCl₃ or CHCl₃/hexane)

Melting Point: Mp 148°. Mp 166-167°

Solubility: Spar. sol. EtOH, CHCl₃; insol. Et₂O, H₂O

Aldrich: 10556-2

Sigma: A9563

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **2**, 274D, (ir)

Dimroth, G., *Ber.*, 1902, **35**, 2035, (synth)

Baliah, V. *et al.*, *J. Indian Chem. Soc.*, 1963, **40**, 638, (uv)

Jirakova, H. *et al.*, *CA*, 1973, **79**, 5432, (synth)

Kretchmer, R.A. *et al.*, *J.O.C.*, 1976, **41**, 2661, (homocoupling)

Barluenga, J. *et al.*, *Tetrahedron*, 1984, **40**, 5053, (synth, pmr, cmr)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, ABQ000