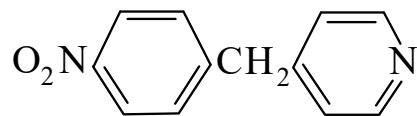




>>Entry Name: 4-[(4-Nitrophenyl)methyl]pyridine, 9CI

Synonym(s): 4-(*p*-Nitrobenzyl)pyridine



CAS Registry Number: 1083-48-3

Related CAS Registry Numbers(s): 35466-40-1

Molecular Formula: C₁₂H₁₀N₂O₂

Molecular Weight: 214.223

Accurate Mass: 214.074228

Percentage Composition: C 67.28%; H 4.70%; N 13.08%; O 14.94%

Use/Importance: Chromogenic reagent for determination of relative alkylating potential of alkylating agents e.g. carcinogens and mutagens. Used for photometric detn. of organophosphorus pesticides. Used as a 3% soln. in 2*M* HCl for detn. of platinum group metals

Physical Description: Cryst. (cyclohexane)

Melting Point: Mp 70-71°

Aldrich: N1420-4

Fluka: 73210

Sigma: N3131

References:

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Schaeffer, H.F. *et al.*, *Anal. Chem.*, 1964, **36**, 169, (*use*)

Wheeler, G.P. *et al.*, *J. Med. Chem.*, 1967, **10**, 259, (*use*)

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