



>>Entry Name: 2-Amino-5-phenylpyridine, 8Cl

Synonym(s): 5-Phenyl-2-pyridinamine, 9Cl

CAS Registry Number: 33421-40-8

Molecular Formula: C₁₁H₁₀N₂

Molecular Weight: 170.213

Accurate Mass: 170.084398

Percentage Composition: C 77.62%; H 5.92%; N 16.46%

Source/Synthesis: Pyrolysis prod. of phenylalanine

Physical Description: Cryst. (H₂O)

Melting Point: Mp 136-137° (134-135°)(133-135°)

Hazard & Toxicity: Mutagen

>>Derivative: N-Acetoxy

Synonym(s): 2-Acetoxyamino-5-phenylpyridine. 5-Phenyl-2(1H)-pyridinone, O-acetyloxime, 9Cl

CAS Registry Number: 124392-12-7

Extra CAS Registry Numbers(s): 189894-03-9

Molecular Formula: C₁₃H₁₂N₂O₂

Molecular Weight: 228.25

Accurate Mass: 228.089878

Percentage Composition: C 68.41%; H 5.30%; N 12.27%; O 14.02%

Physical Description: Cryst.

Melting Point: Mp 124-126°

Hazard & Toxicity: Proximate carcinogen of the parent compd.

References:

Beyer, H. *et al.*, *Chem. Ber.*, 1958, **91**, 247-256, (*synth, ir*)

Butler, D.E. *et al.*, *J. Med. Chem.*, 1971, **14**, 575, (*synth*)

Kosuge, T. *et al.*, *Chem. Pharm. Bull.*, 1978, **26**, 611, (*tox*)

U.S. Pat., 1983, 4 386 209; *CA*, **100**, P6343u, (*synth*)

Stavenuiter, J.F.C. *et al.*, *Carcinogenesis (London)*, 1985, **6**, 13-19, (*synth, pmr, ms*)

Lutgerink, J.T. *et al.*, *Carcinogenesis (London)*, 1989, **10**, 1957-1960, (*N-acetyloxy, synth, pmr, ms*)

Ojala, W.H. *et al.*, *Acta Cryst. C*, 1997, **53**, 634-637, (*N-acetyloxy, cryst struct*)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, ALY000