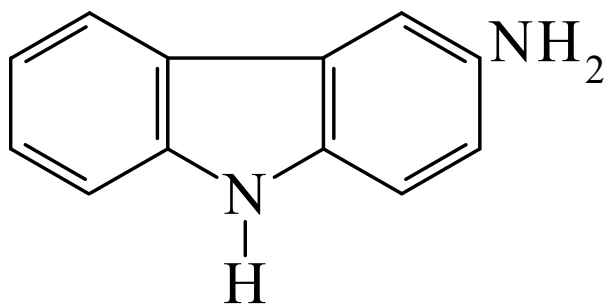




>>Entry Name: 3-Aminocarbazole

Synonym(s): 9*H*-Carbazol-3-amine, 9Cl



Related CAS Registry Numbers(s): 57360-17-5

Molecular Formula: C₁₂H₁₀N₂

Molecular Weight: 182.224

Accurate Mass: 182.084398

Percentage Composition: C 79.10%; H 5.53%; N 15.37%

Melting Point: Mp 254 dec.°

>>Derivative: *N*-Ac

CAS Registry Number: 57102-95-1

Molecular Formula: C₁₄H₁₂N₂O

Molecular Weight: 224.262

Accurate Mass: 224.094963

Percentage Composition: C 74.98%; H 5.39%; N 12.49%; O 7.13%

Physical Description: Needles (EtOH)

Melting Point: Mp 217°

Solubility: Insol. H₂O

>>Derivative: *N*-Et

Synonym(s): 9-Ethyl-9*H*-carbazol-3-amine, 9Cl. AEC

CAS Registry Number: 132-32-1

Use/Importance: Indicator for peroxidase activity

Melting Point: Mp 98-100°

Hazard & Toxicity: LD₅₀ (rat, orl) 144 mg/kg. Exp. carcinogen

Aldrich: 10638-0

Sigma: A6926

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **2**, 680D, (*ir*)

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **3**, 163A, (*nmr*)

Whitner, T., *J.A.C.S.*, 1924, **46**, 2326, (*synth*)

Anderson, G. *et al.*, *J.C.S.*, 1950, 2904

Buu-Hoï, N.P. *et al.*, *J.O.C.*, 1950, **15**, 123, (*synth*)

Kaplow, L.S., *Am. J. Clin. Pathol.*, 1975, **63**, 451, (*use*)

De Jong, A.S.H. *et al.*, *Histochem. J.*, 1985, **17**, 1119, (*use*)

Fritz, P. *et al.*, *Acta Histochem.*, Suppl., 1986, **32**, 235, (*use*)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, AJV000