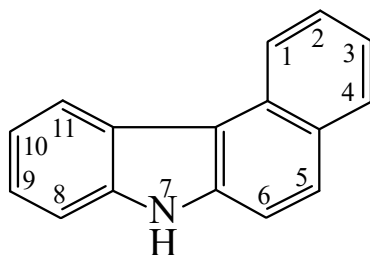




>>Entry Name: **7H-Benzo[c]carbazole**

Synonym(s): 3,4-Benzcarbazole. γ -Benzocarbazole. 7-Aza-7H-benzo[c]fluorene



CAS Registry Number: 205-25-4

Molecular Formula: $C_{16}H_{11}N$

Molecular Weight: 217.27

Accurate Mass: 217.089149

Percentage Composition: C 88.45%; H 5.10%; N 6.45%

Melting Point: Mp 135-136°

>>Derivative: N-Ac

CAS Registry Number: 64947-19-9

Molecular Formula: $C_{18}H_{13}NO$

Molecular Weight: 259.307

Accurate Mass: 259.099714

Percentage Composition: C 83.38%; H 5.05%; N 5.40%; O 6.17%

Physical Description: Plates (EtOH or AcOH)

Melting Point: Mp 149° (144°)

>>Derivative: N-Nitroso

Molecular Formula: $C_{16}H_{10}N_2O$

Molecular Weight: 246.268

Accurate Mass: 246.079313

Percentage Composition: C 78.04%; H 4.09%; N 11.38%; O 6.50%

Physical Description: Yellow needles (petrol)

Melting Point: Mp 144-145 dec.°

>>Derivative: N-Me

Synonym(s): 7-Methyl-7H-benzo[c]carbazole

Molecular Formula: $C_{17}H_{13}N$

Molecular Weight: 231.296

Accurate Mass: 231.104799

Percentage Composition: C 88.28%; H 5.66%; N 6.06%

Melting Point: Mp 117-118°

References:

Japp, F.R. *et al.*, *J.C.S.*, 1903, **83**, 267, (*synth*)

Cadogan, J.I.G. *et al.*, *J.C.S.*, 1965, 4831, (*synth*)

DeSilva, O. *et al.*, *Synthesis*, 1971, 254, (*synth*)

Kulagowski, J.J. *et al.*, *J.C.S. Perkin 1*, 1985, 2733, (*deriv, synth*)

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