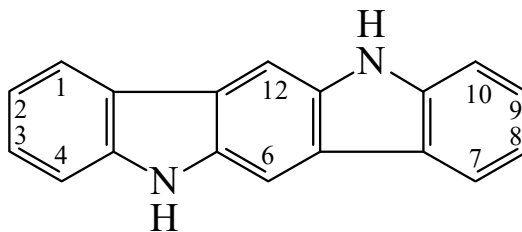




>>Entry Name: 5,11-Dihydroindolo[3,2-*b*]carbazole, 9CI

Synonym(s): Indolo[3,2-*b*]carbazole



CAS Registry Number: 6336-32-9

Molecular Formula: C₁₈H₁₂N₂

Molecular Weight: 256.306

Accurate Mass: 256.100048

Percentage Composition: C 84.35%; H 4.72%; N 10.93%

Physical Description: Yellow cryst. (quinoline) or yellow amorph. powder

Melting Point: Mp 470 dec. ° (460°)

>>Derivative: *N,N'*-Di-Me

Synonym(s): 5,11-Dihydro-5,11-dimethylindolo[3,2-*b*]carbazole, 9CI

CAS Registry Number: 56525-80-5

Molecular Formula: C₂₀H₁₆N₂

Molecular Weight: 284.36

Accurate Mass: 284.131348

Percentage Composition: C 84.48%; H 5.67%; N 9.85%

Use/Importance: Receptor ligand for Tetrachlorodibenzo[*b,e*][1,4]dioxins [BMB55-N](#)

Physical Description: Yellow cryst. (MeNO₂)

Melting Point: Mp 295-296°

References:

Grotta, H.M. *et al.*, *J.O.C.*, 1961, **26**, 1509, (*synth*)

Bergman, J., *Tetrahedron*, 1970, **26**, 3353, (*synth*)

Hünig, S. *et al.*, *Annalen*, 1976, 1090, (*deriv, uv, epr*)

Kistenmacher, A. *et al.*, *J. Het. Chem.*, 1992, **29**, 1237, (*synth, pmr, cmr*)

Chakrabarty, M. *et al.*, *Synth. Commun.*, 1996, **26**, 3015, (*di-Me*)

Wei, Y.-D. *et al.*, *Chem. Biol. Interact.*, 1998, **110**, 39-55, (*biol*)