



>>Entry Name: 3,6-Dibromo-9*H*-carbazole, 9CI

CAS Registry Number: 6825-20-3

Molecular Formula: C₁₂H₇Br₂N

Molecular Weight: 325.002

Accurate Mass: 322.934521

Percentage Composition: C 44.35%; H 2.17%; Br 49.17%; N 4.31%

Biological Source: Alkaloid from the cyanobacterium *Kyrtuthrix maculans*

Physical Description: Prisms or needles (EtOH)

Melting Point: Mp 212-213°

Solubility: Sol. CHCl₃, C₆H₆, spar. sol. petrol

Aldrich: 41041-1

>>Derivative: *N*-Benzoyl

Molecular Formula: C₁₉H₁₁Br₂NO

Molecular Weight: 429.11

Accurate Mass: 426.960736

Percentage Composition: C 53.18%; H 2.58%; Br 37.24%; N 3.26%; O 3.73%

Melting Point: Mp 213-214°

References:

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

Aldrich Library of ¹³C and ¹H FT NMR Spectra, 1992, **3**, 162B, (*nmr*)

McLintock, J. *et al.*, *J.C.S.*, 1927, 1214, (*synth*)

Lopatinskii, V.P. *et al.*, *CA*, 1966, **65**, 2203e, (*synth*)

Smith, K. *et al.*, *Tetrahedron*, 1992, **48**, 7479-7488, (*synth*, *pmr*, *cmr*)

Polivin, Y.N. *et al.*, *Izv. Akad. Nauk, Ser. Khim.*, 1993, 234-235, (*synth*)

Lee, S.-C. *et al.*, *Phytochemistry*, 1999, **52**, 537-540, (*isol*, *pmr*, *cmr*, *ms*)