



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

CAS Registry Number: 57103-02-3

Type of Compound Code(s): VX7440 VX4300

Structure by analogy with 2,7-Diiodo-9*H*-carbazole, [FWQ64-W](#)

Molecular Formula: C₁₂H₇I₂N

Molecular Weight: 419.003

Accurate Mass: 418.866795

Percentage Composition: C 34.40%; H 1.68%; I 60.57%; N 3.34%

Biological Source: Alkaloid from the cyanobacterium *Kyrtuthrix maculans*

Physical Description: Leaflets (EtOH)

Melting Point: Mp 202-204°

>>Derivative: 9-Ac

Molecular Formula: C₁₄H₉I₂NO

Molecular Weight: 461.04

Accurate Mass: 460.87736

Percentage Composition: C 36.47%; H 1.97%; I 55.05%; N 3.04%; O 3.47%

Physical Description: Needles (EtOH or C₆H₆)

Melting Point: Mp 224-225°

References:

Tucker, S.H., *J.C.S.*, 1926, 546, (*synth*)

Ambrose, J.F. *et al.*, *J. Electrochem. Soc.*, 1975, **122**, 876

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