



>>Entry Name: 4,4'-Dibromodiphenylamine, 8Cl

Synonym(s): 4-Bromo-*N*-(4-bromophenyl)benzenamine, 9Cl

CAS Registry Number: 16292-17-4

Molecular Formula: C₁₂H₉Br₂N

Molecular Weight: 327.018

Accurate Mass: 324.950171

Percentage Composition: C 44.07%; H 2.77%; Br 48.87%; N 4.28%

Physical Description: Prisms (EtOH)

Melting Point: Mp 107°

>>Derivative: Benzoyl

Molecular Formula: C₁₉H₁₃Br₂NO

Molecular Weight: 431.126

Accurate Mass: 428.976386

Percentage Composition: C 52.93%; H 3.04%; Br 37.07%; N 3.25%; O 3.71%

Melting Point: Mp 141.5-142°

>>Derivative: *N*-Me

CAS Registry Number: 20799-61-5

Molecular Formula: C₁₃H₁₁Br₂N

Molecular Weight: 341.045

Accurate Mass: 338.965821

Percentage Composition: C 45.78%; H 3.25%; Br 46.86%; N 4.11%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 119°

>>Derivative: *N*-Et

Molecular Formula: C₁₄H₁₃Br₂N

Molecular Weight: 355.071

Accurate Mass: 352.981471

Percentage Composition: C 47.36%; H 3.69%; Br 45.01%; N 3.94%

Physical Description: Cryst. (C₆H₆/petrol)

Melting Point: Mp 107-108°

References:

Crounse, N.N. *et al.*, *J.A.C.S.*, 1945, **67**, 875

Lugovkin, B.P. *et al.*, *J. Gen. Chem. USSR (Engl. Transl.)*, 1952, **22**, 204; *CA*, **47**, 9284

Chen, M.-M. *et al.*, *J.O.C.*, 1961, **26**, 272

Stashkevich, O.M. *et al.*, *Ukr. Khim. Zh. (Russ. edn.)*, 1967, **33**, 614