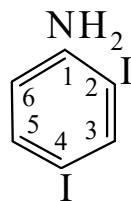




>>Entry Name: **2,4-Diiodoaniline**, 8Cl  
Synonym(s): 2,4-Diodobenzeneamine, 9Cl



CAS Registry Number: 533-70-0

Molecular Formula:  $C_6H_5I_2N$   
Molecular Weight: 344.921  
Accurate Mass: 344.851145  
Percentage Composition: C 20.89%; H 1.46%; I 73.58%; N 4.06%  
Physical Description: Needles (EtOH)  
Melting Point: Mp 95-96°

>>Derivative: *N*-Ac  
Synonym(s): 2,4-Diiodoacetanilide

Molecular Formula:  $C_8H_7I_2NO$   
Molecular Weight: 386.958  
Accurate Mass: 386.86171  
Percentage Composition: C 24.83%; H 1.82%; I 65.59%; N 3.62%; O 4.13%  
Melting Point: Mp 141° (171°)

>>Derivative: *N*-Di-Ac

Molecular Formula:  $C_{10}H_9I_2NO_2$   
Molecular Weight: 428.996  
Accurate Mass: 428.872275  
Percentage Composition: C 28.00%; H 2.11%; I 59.16%; N 3.26%; O 7.46%  
Melting Point: Mp 93°

>>Derivative: *N*-Benzoyl

Molecular Formula:  $C_{13}H_9I_2NO$   
Molecular Weight: 449.029  
Accurate Mass: 448.87736  
Percentage Composition: C 34.77%; H 2.02%; I 56.52%; N 3.12%; O 3.56%  
Physical Description: Needles (EtOH)  
Melting Point: Mp 181°

#### References:

Cambie, R.C. *et al.*, *J.C.S. Perkin I*, 1976, 1161  
Lown, J.W. *et al.*, *Can. J. Chem.*, 1977, **55**, 122