



>>Entry Name: **1,3-Diamino-5-nitrobenzene**

Synonym(s): 5-Nitro-1,3-benzenediamine, 9Cl. 5-Nitro-*m*-phenylenediamine, 8Cl

CAS Registry Number: 5042-55-7

Molecular Formula: $C_6H_7N_3O_2$

Molecular Weight: 153.14

Accurate Mass: 153.053827

Percentage Composition: C 47.06%; H 4.61%; N 27.44%; O 20.90%

Physical Description: Red cryst. (H_2O)

Melting Point: Mp 143-144°

>>Derivative: 1,3-*N*-Di-Ac

CAS Registry Number: 17178-95-9

Molecular Formula: $C_{10}H_{11}N_3O_4$

Molecular Weight: 237.215

Accurate Mass: 237.074957

Percentage Composition: C 50.63%; H 4.67%; N 17.71%; O 26.98%

Physical Description: Yellow cryst.

Melting Point: Mp 300°

References:

Flürsheim, B., *J. Prakt. Chem.*, 1905, **71**, 538

Corbett, J.F., *Spectrochim. Acta A*, 1967, **23**, 2315, (*uv*)

Denny, G.H., *J. Med. Chem.*, 1976, **19**, 426