



>>Entry Name: 4-Iodo-2-nitroaniline

Synonym(s): 4-Iodo-2-nitrobenzenamine, 9CI

CAS Registry Number: 20691-72-9

Molecular Formula: $C_6H_5IN_2O_2$

Molecular Weight: 264.022

Accurate Mass: 263.939576

Percentage Composition: C 27.30%; H 1.91%; I 48.07%; N 10.61%; O 12.12%

Physical Description: Orange-yellow needles (EtOH)

Melting Point: Mp 123°

>>Derivative: N-Ac

Synonym(s): 4-Iodo-2-nitroacetanilide

Molecular Formula: $C_8H_7IN_2O_3$

Molecular Weight: 306.059

Accurate Mass: 305.950141

Percentage Composition: C 31.40%; H 2.31%; I 41.46%; N 9.15%; O 15.68%

Melting Point: Mp 112°

References:

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Bekaruk, V. *et al.*, *Coll. Czech. Chem. Comm.*, 1972, **37**, 3447-3450; 1976, **41**, 1177-1181, (*ir*)

Wilson, J.F. *et al.*, *Aust. J. Chem.*, 1983, **36**, 2317-2325, (*synth, pmr*)

Sy, W.W., *Synth. Commun.*, 1992, **22**, 3215-3219, (*synth*)

Barluenga, J. *et al.*, *J.O.C.*, 1993, **58**, 2058-2060, (*synth*)