



>>Entry Name: 4-Iodo-3-nitroaniline

Synonym(s): 4-Iodo-3-nitrobenzenamine, 9CI

CAS Registry Number: 105752-04-3

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 needles (EtOH)

Melting Point: Mp 142°

>>Derivative: *N*-Ac

Synonym(s): 4-Iodo-3-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 136.5°

References:

Körner, G., *Atti Accad. Naz. Lincei, Cl. Sci. Fis., Mat. Nat., Rend.*, 1908, **17**, 680

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