



>>Entry Name: 4-Iodophenylhydrazine

CAS Registry Number: 13116-27-3

Molecular Formula: $C_6H_7IN_2$

Molecular Weight: 234.039

Accurate Mass: 233.965396

Percentage Composition: C 30.79%; H 3.01%; I 54.22%; N 11.97%

Use/Importance: Has fungicidal props.

Physical Description: Silky needles (H_2O)

Melting Point: Mp 103°

pKa Value: pK_a 9.1 (dioxan aq.)

>>Derivative: Benzylidene deriv.

Synonym(s): Benzaldehyde 4-iodophenylhydrazone

CAS Registry Number: 65447-26-9

Molecular Formula: $C_{13}H_{11}IN_2$

Molecular Weight: 322.148

Accurate Mass: 321.996696

Percentage Composition: C 48.47%; H 3.44%; I 39.39%; N 8.70%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 118°

>>Derivative: *N*-Ac

Molecular Formula: $C_8H_9IN_2O$

Molecular Weight: 276.076

Accurate Mass: 275.975961

Percentage Composition: C 34.80%; H 3.29%; I 45.97%; N 10.15%; O 5.80%

Physical Description: Cryst. (C_6H_6)

Melting Point: Mp 159°

References:

Votoček, A. *et al.*, *Bull. Soc. Chim. Fr.*, 1926, **39**, 278

Ram, V.J. *et al.*, *Indian J. Appl. Chem.*, 1970, **33**, 390, (*synth*)