



>>Entry Name: **4-Iodo-2,6-dimethylaniline**

Synonym(s): 4-Iodo-2,6-dimethylbenzenamine, 9CI. 4-Iodo-2,6-xylidine

CAS Registry Number: 4102-53-8

Molecular Formula: $C_8H_{10}IN$

Molecular Weight: 247.078

Accurate Mass: 246.985797

Percentage Composition: C 38.89%; H 4.08%; I 51.36%; N 5.67%

Physical Description: Needles (petrol)

Melting Point: Mp 52-53°

>>Derivative: *N*-Benzoyl

Molecular Formula: $C_{15}H_{14}INO$

Molecular Weight: 351.186

Accurate Mass: 351.012012

Percentage Composition: C 51.30%; H 4.02%; I 36.14%; N 3.99%; O 4.56%

Melting Point: Mp 195-196°

References:

Hitomi, S. *et al.*, *Bull. Chem. Soc. Jpn.*, 1965, **38**, 1590, (*synth*)

Holland, V.R. *et al.*, *Tetrahedron*, 1969, **25**, 2291