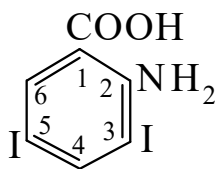




>>Entry Name: 2-Amino-3,5-diiodobenzoic acid, 9CI

Synonym(s): 3,5-Diiodoanthranilic acid



CAS Registry Number: 609-86-9

Molecular Formula: $C_7H_5I_2NO_2$

Molecular Weight: 388.931

Accurate Mass: 388.840975

Percentage Composition: C 21.62%; H 1.30%; I 65.26%; N 3.60%; O 8.23%

Use/Importance: Has herbicidal props.

Physical Description: Prisms (EtOH)

Melting Point: Mp 230-232°

Hazard & Toxicity: LD₅₀ (mus, orl) 900 mg/kg

Aldrich: 28348-7

>>Derivative: Et ester

Molecular Formula: $C_9H_9I_2NO_2$

Molecular Weight: 416.985

Accurate Mass: 416.872275

Percentage Composition: C 25.92%; H 2.18%; I 60.87%; N 3.36%; O 7.67%

Physical Description: Prisms (EtOH)

Melting Point: Mp 101°

>>Derivative: Amide

Molecular Formula: $C_7H_6I_2N_2O$

Molecular Weight: 387.946

Accurate Mass: 387.856959

Percentage Composition: C 21.67%; H 1.56%; I 65.42%; N 7.22%; O 4.12%

Physical Description: Needles

Melting Point: Mp 238-239°

References:

Aldrich Library of ¹³C and ¹H FT NMR Spectra, 1992, **2**, 1149C, (*nmr*)

Gaux, B. *et al.*, *Bull. Soc. Chim. Fr.*, 1974, 505, (*synth*)

Goulette, G. *et al.*, *C. R. Hebd. Seances Acad. Sci.*, 1975, **281**, 543, (*synth*)