



>>Entry Name: 2-Hydroxy-4-iodobenzoic acid, 9CI

Synonym(s): 4-Iodosalicylic acid, 8CI

CAS Registry Number: 16870-28-3

Molecular Formula: C₇H₅IO₃

Molecular Weight: 264.019

Accurate Mass: 263.928343

Percentage Composition: C 31.85%; H 1.91%; I 48.07%; O 18.18%

Physical Description: Needles (EtOH)

Melting Point: Mp 230 dec.°

pKa Value: pK_{a1} 2.75 (25°)

>>Derivative: Me ester

CAS Registry Number: 18179-39-0

Molecular Formula: C₈H₇IO₃

Molecular Weight: 278.046

Accurate Mass: 277.943993

Percentage Composition: C 34.56%; H 2.54%; I 45.64%; O 17.26%

Physical Description: Cryst. (MeOH)

Melting Point: Mp 66°

>>Derivative: Et ester

Molecular Formula: C₉H₉IO₃

Molecular Weight: 292.073

Accurate Mass: 291.959643

Percentage Composition: C 37.01%; H 3.11%; I 43.45%; O 16.43%

Melting Point: Mp 21°

>>Derivative: Amide

CAS Registry Number: 18179-40-3

Molecular Formula: C₇H₆INO₂

Molecular Weight: 263.034

Accurate Mass: 262.944327

Percentage Composition: C 31.96%; H 2.30%; I 48.25%; N 5.33%; O 12.17%

Melting Point: Mp 206°

>>Derivative: Anilide

CAS Registry Number: 19503-61-8

Molecular Formula: C₁₃H₁₀INO₂

Molecular Weight: 339.132

Accurate Mass: 338.975627

Percentage Composition: C 46.04%; H 2.97%; I 37.42%; N 4.13%; O 9.44%

Physical Description: Cryst. (dioxan)

Melting Point: Mp 231°

>>Derivative: Ac

CAS Registry Number: 2198-55-2

Molecular Formula: C₉H₇IO₄

Molecular Weight: 306.056

Accurate Mass: 305.938908

Percentage Composition: C 35.32%; H 2.31%; I 41.46%; O 20.91%

Melting Point: Mp 157-158°

>>Derivative: Me ether

Synonym(s): 4-Iodo-2-methoxybenzoic acid. 4-Iodo-*o*-anisic acid

Molecular Formula: C₈H₇IO₃

Molecular Weight: 278.046

Accurate Mass: 277.943993

Percentage Composition: C 34.56%; H 2.54%; I 45.64%; O 17.26%

Melting Point: Mp 150°