



>>Entry Name: 2-Hydroxy-5-iodobenzoic acid, 9Cl

Synonym(s): 5-Iodosalicylic acid, 8Cl

CAS Registry Number: 119-30-2

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 (H₂O)

Melting Point: Mp 198°

pKa Value: pK_{a1} 2.62 (25°)

Aldrich: I-1060-0

>>Derivative: Me ester

CAS Registry Number: 4068-75-1

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. (EtOH)

Melting Point: Mp 78°

Boiling Point: Bp_{0.4} 110-118° (lit. gives a pressure range)

Rare Chemicals Library: S35297-7

>>Derivative: Et ester

CAS Registry Number: 15125-84-5

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 72°

>>Derivative: Amide

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 228°

>>Derivative: Anilide

CAS Registry Number: 2441-58-9

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. (Me₂CO)

Melting Point: Mp 225°

>>Derivative: Anhydride

Molecular Formula: C₁₄H₈I₂O₅

Molecular Weight: 510.023

Accurate Mass: 509.846121

Percentage Composition: C 32.97%; H 1.58%; I 49.76%; O 15.68%

Physical Description: Cryst. (Et₂O)

Melting Point: Mp 114°