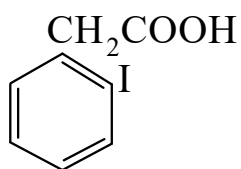




>>Entry Name: 2-Iodophenylacetic acid

Synonym(s): 2-Iodobenzeneacetic acid, 9CI



CAS Registry Number: 18698-96-9

Molecular Formula: C₈H₇IO₂

Molecular Weight: 262.047

Accurate Mass: 261.949078

Percentage Composition: C 36.67%; H 2.69%; I 48.43%; O 12.21%

Use/Importance: Plant growth regulator

Physical Description: Needles (H₂O or MeOH aq.)

Melting Point: Mp 117° (110°, 114°)

>>Derivative: Me ester

CAS Registry Number: 66370-75-0

Molecular Formula: C₉H₉IO₂

Molecular Weight: 276.073

Accurate Mass: 275.964728

Percentage Composition: C 39.16%; H 3.29%; I 45.97%; O 11.59%

Boiling Point: Bp_{1.5} 114°

>>Derivative: Et ester

Molecular Formula: C₁₀H₁₁IO₂

Molecular Weight: 290.1

Accurate Mass: 289.980378

Percentage Composition: C 41.40%; H 3.82%; I 43.75%; O 11.03%

Physical Description: Needles (AcOH aq.)

Melting Point: Mp 42-43°

Boiling Point: Bp₃ 128°

>>Derivative: Chloride

CAS Registry Number: 62300-07-6

Molecular Formula: C₈H₆ClIO

Molecular Weight: 280.492

Accurate Mass: 279.91519

Percentage Composition: C 34.26%; H 2.16%; Cl 12.64%; I 45.24%; O 5.70%

Boiling Point: Bp₁₅ 145°

>>Derivative: Nitrile

Synonym(s): 2-Iodobenzyl cyanide

CAS Registry Number: 40400-15-5

Molecular Formula: C₈H₆IN

Molecular Weight: 243.047

Accurate Mass: 242.954497

Percentage Composition: C 39.53%; H 2.49%; I 52.21%; N 5.76%

Boiling Point: Bp₄ 140°

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