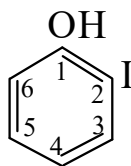




>>Entry Name: 2-Iodophenol



CAS Registry Number: 533-58-4

Molecular Formula: C_6H_5IO

Molecular Weight: 220.009

Accurate Mass: 219.938513

Percentage Composition: C 32.76%; H 2.29%; I 57.68%; O 7.27%

Physical Description: Needles

Melting Point: Mp 43°. Mp 40.4°

Boiling Point: Bp₁₆₀ 186-187°

pKa Value: pK_a 8.51 (25°)

Aldrich: 28140-9

>>Derivative: Benzoyl

Molecular Formula: $C_{13}H_9IO_2$

Molecular Weight: 324.117

Accurate Mass: 323.964728

Percentage Composition: C 48.17%; H 2.80%; I 39.15%; O 9.87%

Physical Description: Needles (petrol)

Melting Point: Mp 34°

>>Derivative: 4-Methylbenzenesulfonyl

Molecular Formula: $C_{13}H_{11}IO_3S$

Molecular Weight: 374.199

Accurate Mass: 373.947363

Percentage Composition: C 41.73%; H 2.96%; I 33.91%; O 12.83%; S 8.57%

Physical Description: Needles (MeOH)

Melting Point: Mp 80°

>>Derivative: Me ether

Synonym(s): 1-Iodo-2-methoxybenzene. 2-Iodoanisole

CAS Registry Number: 529-28-2

Molecular Formula: C_7H_7IO

Molecular Weight: 234.036

Accurate Mass: 233.954163

Percentage Composition: C 35.92%; H 3.01%; I 54.22%; O 6.84%

Physical Description: Oil

Boiling Point: Bp₇₃₀ 239-240°

Aldrich: 25278-6

Fluka: 57710

>>Derivative: Et ether

Synonym(s): 1-Iodo-2-ethoxybenzene. 2-Iodophenetole

CAS Registry Number: 614-73-3

Molecular Formula: C_8H_9IO

Molecular Weight: 248.063

Accurate Mass: 247.969813

Percentage Composition: C 38.74%; H 3.66%; I 51.16%; O 6.45%

Physical Description: Oil

Boiling Point: Bp₇₃₆ 245°. Bp₁₈ 121-130°

>>Derivative: 2-Propenyl ether

Synonym(s): 1-Iodo-2-(2-propenyloxy)benzene, 9CI. 1-Iodo-2-allyloxybenzene. 3-(2-Iodophenoxy)-1-propene