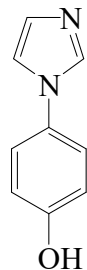




>>Entry Name: 1-(4-Hydroxyphenyl)imidazole

Synonym(s): 4-(1*H*-Imidazol-1-yl)phenol, 9CI



CAS Registry Number: 10041-02-8

Molecular Formula: C₉H₈N₂O

Molecular Weight: 160.175

Accurate Mass: 160.063663

Percentage Composition: C 67.49%; H 5.03%; N 17.49%; O 9.99%

Physical Description: Cryst. (MeOH aq.)

Melting Point: Mp 203-205°

Aldrich: 18372-5

>>Derivative: *O*-Ac

CAS Registry Number: 56643-89-1

Molecular Formula: C₁₁H₁₀N₂O₂

Molecular Weight: 202.212

Accurate Mass: 202.074228

Percentage Composition: C 65.34%; H 4.98%; N 13.85%; O 15.82%

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 118-119°

>>Derivative: Me ether

Synonym(s): 1-(4-Methoxyphenyl)-1*H*-imidazole

CAS Registry Number: 10040-95-6

Molecular Formula: C₁₀H₁₀N₂O

Molecular Weight: 174.202

Accurate Mass: 174.079313

Percentage Composition: C 68.95%; H 5.79%; N 16.08%; O 9.18%

Physical Description: Cryst. (H₂O)

Melting Point: Mp 66-67°

Aldrich: 45761-2

References:

Baggaley, K.H. *et al.*, *J. Med. Chem.*, 1975, **18**, 833, (*Me ether, O-Ac, synth*)

Tashiro, M. *et al.*, *Synthesis*, 1982, 217, (*synth, pmr*)