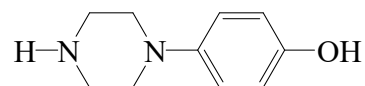




>>Entry Name: 4-Piperazinylphenol, 9CI
Synonym(s): 1-(4-Hydroxyphenyl)piperazine



Related CAS Registry Numbers(s): 117208-67-0

Molecular Formula: C₁₀H₁₄N₂O
Molecular Weight: 178.233
Accurate Mass: 178.110613
Percentage Composition: C 67.39%; H 7.92%; N 15.72%; O 8.98%
Physical Description: Cryst. (EtOH) (as hydrobromide)
Melting Point: Mp 177-178° (hydrobromide)

>>Derivative: *N*-Ac

Molecular Formula: C₁₂H₁₆N₂O₂
Molecular Weight: 220.271
Accurate Mass: 220.121178
Percentage Composition: C 65.43%; H 7.32%; N 12.72%; O 14.53%
Physical Description: Cryst. (EtOH)
Melting Point: Mp 177-178°

>>Derivative: Me ether

Synonym(s): 1-(4-Methoxyphenyl)piperazine

Molecular Formula: C₁₁H₁₆N₂O
Molecular Weight: 192.26
Accurate Mass: 192.126263
Percentage Composition: C 68.72%; H 8.39%; N 14.57%; O 8.32%
Physical Description: Cryst. (cyclohexane/petrol)
Melting Point: Mp 82-86°
Boiling Point: Bp_{0.3} 118°

>>Derivative: Me ether, hydrochloride

CAS Registry Number: 84145-43-7
Physical Description: Cryst. (EtOH)
Melting Point: Mp 211-212°

>>Derivative: Me ether, hydrochloride (2:1)

CAS Registry Number: 38869-47-5
Melting Point: Mp 240° (dec.)
Aldrich: M2300-4

>>Derivative: *N,N,O*-Tri-Me

Molecular Formula: C₁₃H₂₁N₂O⁽⁺⁾
Molecular Weight: 221.322
Accurate Mass: 221.165388
Percentage Composition: C 70.55%; H 9.56%; N 12.66%; O 7.23%
Physical Description: Cryst. (MeOH) (as iodide)
Melting Point: Mp 219-220° (iodide)

References:

Prelog, V. *et al.*, *Coll. Czech. Chem. Comm.*, 1934, **6**, 211, (*synth, derivs*)
Valenta, V. *et al.*, *Coll. Czech. Chem. Comm.*, 1990, **55**, 797, (*synth, derivs, pmr*)