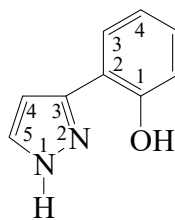




>>Entry Name: 3(5)-(2-Hydroxyphenyl)pyrazole

Synonym(s): 2-(1*H*-Pyrazol-3-yl)phenol, 9CI



1*H*-form

CAS Registry Number: 34810-67-8

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%

Use/Importance: Potential uv light stabiliser for polymers

Physical Description: Cryst. (H₂O)

Melting Point: Mp 98-99° (84-86°)

>>Derivative: Hydrochloride

Physical Description: Cryst. (EtOH/Et₂O)

Melting Point: Mp 158-164°

>>Derivative: *O*-Ac

CAS Registry Number: 57148-83-1

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%

Melting Point: Mp 145-147°

>>Derivative: Me ether

Synonym(s): 3-(2-Methoxyphenyl)-1*H*-pyrazole, 9CI

CAS Registry Number: 59843-63-9

Physical Description: Cryst. (CHCl₃/hexane)

Melting Point: Mp 85-86°

Other Data: Exists mainly as 2*H*-form

>>Variant: 1*H*-form

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%

>>Derivative: *N*-Me

Synonym(s): 2-(1-Methyl-1*H*-pyrazol-3-yl)phenol, 9CI

CAS Registry Number: 123532-18-3

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: Solid (EtOH aq.)

Melting Point: Mp 84-85°

>>Variant: 2*H*-form

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%