



Percentage Composition: C 67.70%; H 9.74%; N 22.56%

Boiling Point: Bp₁₂ 114-116°

Refractive Index: n_D²⁰ 1.4800

Aldrich: 34841-4

>> **Derivative:** *N*-Benzyl

CAS Registry Number: 4238-71-5

Molecular Formula: C₁₀H₁₀N₂

Molecular Weight: 158.202

Accurate Mass: 158.084398

Percentage Composition: C 75.92%; H 6.37%; N 17.71%

Use/Importance: Thromboxane synthetase inhibitor

Physical Description: Cryst. (C₆H₆/petrol)

Melting Point: Mp 70-72°

Calculated Log P Data: Log P 1.55 (calc)

Aldrich: 11641-6

>> **Derivative:** *N*-Ph

>> **Derivative:** *N*-Amino

Synonym(s): 1*H*-Imidazol-1-amine, 9CI

CAS Registry Number: 51741-29-8

Molecular Formula: C₃H₅N₃

Molecular Weight: 83.093

Accurate Mass: 83.048347

Percentage Composition: C 43.36%; H 6.06%; N 50.57%

Physical Description: Oil

>> **Derivative:** *N*-Vinyl

>> **Derivative:** *N*-Dodecyl

CAS Registry Number: 4303-67-7

Molecular Formula: C₁₅H₂₈N₂

Molecular Weight: 236.4

Accurate Mass: 236.225248

Percentage Composition: C 76.21%; H 11.94%; N 11.85%

Physical Description: Liq.

Boiling Point: Bp_{0.2} 135°

>> **Derivative:** *N*-Triphenylmethyl

Synonym(s): 1-Tritylimidazole

CAS Registry Number: 15469-97-3

Molecular Formula: C₂₂H₁₈N₂

Molecular Weight: 310.398

Accurate Mass: 310.146998

Percentage Composition: C 85.13%; H 5.84%; N 9.03%

Physical Description: Cryst. (xylene)

Melting Point: Mp 229-230°

>> **Derivative:** *N*-(Trifluoromethanesulfonyl)

CAS Registry Number: 29540-81-6

Molecular Formula: C₄H₃F₃N₂O₂S

Molecular Weight: 200.141

Accurate Mass: 199.986732

Percentage Composition: C 24.01%; H 1.51%; F 28.48%; N 14.00%; O 15.99%; S 16.02%

Melting Point: Mp 19-21°

Boiling Point: Bp₁₁ 46°

Density: d₄²⁰ 1.525

Refractive Index: n