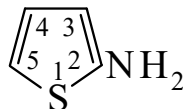




>>Entry Name: 2-Thiophenamine, 9Cl

Synonym(s): 2-Aminothiophene



CAS Registry Number: 616-46-6

Molecular Formula: C₄H₅NS

Molecular Weight: 99.156

Accurate Mass: 99.014269

Percentage Composition: C 48.45%; H 5.08%; N 14.13%; S 32.34%

Physical Description: Cryst. (hexane/CH₂Cl₂ under N₂ at -78°); v. unstable at r.t.

Melting Point: Mp 12-13°

>>Derivative: Hydrochloride

CAS Registry Number: 18621-53-9

Melting Point: Mp 136-138°

>>Derivative: Hydrobromide

CAS Registry Number: 63806-72-4

Melting Point: Mp 160-163°

>>Derivative: *N*-Ac

Synonym(s): *N*-(2-Thienyl)acetamide

CAS Registry Number: 13053-81-1

Molecular Formula: C₆H₇NOS

Molecular Weight: 141.193

Accurate Mass: 141.024834

Percentage Composition: C 51.04%; H 5.00%; N 9.92%; O 11.33%; S 22.71%

Physical Description: Yellow cryst.

Melting Point: Mp 143-150°

>>Derivative: *N*-Benzoyl

CAS Registry Number: 136-34-5

Molecular Formula: C₁₁H₉NOS

Molecular Weight: 203.264

Accurate Mass: 203.040484

Percentage Composition: C 65.00%; H 4.46%; N 6.89%; O 7.87%; S 15.78%

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 172-173°

>>Derivative: *N*-Me

CAS Registry Number: 111859-85-9

Molecular Formula: C₅H₇NS

Molecular Weight: 113.183

Accurate Mass: 113.029919

Percentage Composition: C 53.06%; H 6.23%; N 12.38%; S 28.33%

Boiling Point: Bp₁₅ 88-92°

>>Derivative: *N*-Me, *N*-Ac

CAS Registry Number: 173980-59-1

Molecular Formula: C₇H₉NOS

Molecular Weight: 155.22

Accurate Mass: 155.040484

Percentage Composition: C 54.17%; H 5.84%; N 9.02%; O 10.31%; S 20.66%

Physical Description: Cryst. (H₂O)

Melting Point: Mp 60°