



>>Entry Name: 3-Thiophenamine, 9Cl

Synonym(s): 3-Aminothiophene

CAS Registry Number: 17721-06-1

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%

>>Derivative: *N*-Ac

CAS Registry Number: 42602-67-5

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: Cryst. (H₂O or C₆H₆/CHCl₃)

Melting Point: Mp 145-148°

Rare Chemicals Library: S94388-6

>>Derivative: *N*-Benzoyl

CAS Registry Number: 79128-75-9

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. (C₆H₆/CHCl₃)

Melting Point: Mp 153-155°

>>Derivative: *N*-Me

Synonym(s): 3-(Methylamino)thiophene

CAS Registry Number: 2691-58-9

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%

Physical Description: Oil

Boiling Point: Bp₂ 65°

>>Derivative: *N*-Di-Me

Synonym(s): 3-(Dimethylamino)thiophene

CAS Registry Number: 694-77-9

Molecular Formula: C₆H₉NS

Molecular Weight: 127.21

Accurate Mass: 127.045569

Percentage Composition: C 56.65%; H 7.13%; N 11.01%; S 25.21%

Physical Description: Oil

References:

- Brunett, E.W., *J. Het. Chem.*, 1973, **10**, 1067, (*synth, pmr, ir*)
Van der Plas, H.C. *et al.*, *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1974, **93**, 33, (*synth*)
Bunnett, J.F., *Heterocycles*, 1976, **5**, 377, (*synth*)
Outurquin, F. *et al.*, *Bull. Soc. Chim. Fr.*, 1986, 259; 267, (*props, derivs*)
Barker, J.M. *et al.*, *Synth. Commun.*, 1995, **25**, 3729, (*synth, pmr*)