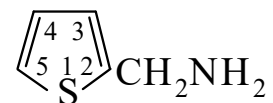




>>Entry Name: 2-Aminomethylthiophene

Synonym(s): 2-Thiophenemethanamine, 9Cl. Thenylamine. Thienylmethylanine



CAS Registry Number: 27757-85-3

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: Bp₁₆ 75°

Density: d₄¹⁵ 1.137

pKa Value: pK_a 8.92

>>Derivative: Hydrochloride

CAS Registry Number: 7404-63-9

Melting Point: Mp 193-194°

>>Derivative: N-Ac

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%

Melting Point: Mp 48-50°

Boiling Point: Bp_{1.5} 145-160°

References:

Lukasiewicz, S.J. *et al.*, *J.A.C.S.*, 1946, **68**, 1389, (*synth*)

Brown, F.C. *et al.*, *J.A.C.S.*, 1956, **78**, 384, (*synth*)

Takahashi, K. *et al.*, *Bull. Chem. Soc. Jpn.*, 1963, **36**, 108, (*pmr*)

Gol'dfarb, Y.L., *CA*, 1963, **58**, 8922, (*synth*)

Morimoto, T. *et al.*, *Chem. Comm.*, 1984, 794, (*synth*)