



>>Entry Name: **4-Aminobenzo[*b*]thiophene**

Synonym(s): Benzo[*b*]thiophen-4-amine, 9Cl

CAS Registry Number: 17402-83-4

Molecular Formula: C₈H₇NS

Molecular Weight: 149.216

Accurate Mass: 149.029919

Percentage Composition: C 64.40%; H 4.73%; N 9.39%; S 21.49%

Physical Description: Cryst. (hexane)

Melting Point: Mp 51-53°

>>Derivative: *N*-Ac

CAS Registry Number: 17402-84-5

Molecular Formula: C₁₀H₉NOS

Molecular Weight: 191.253

Accurate Mass: 191.040484

Percentage Composition: C 62.80%; H 4.74%; N 7.32%; O 8.37%; S 16.77%

Melting Point: Mp 134°

References:

Boswell, D.E., *J. Het. Chem.*, 1968, **5**, 69

Iddon, B. *et al.*, *J.C.S. Perkin I*, 1974, 575