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>>Entry Name: **5-Aminobenzo[*b*]thiophene**

Synonym(s): Benzo[*b*]thiophen-5-amine, 9Cl. 5-Aminothionaphthene

CAS Registry Number: 20532-28-9

**Molecular Formula:** C<sub>8</sub>H<sub>7</sub>NS

**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. (EtOH aq. or C<sub>6</sub>H<sub>6</sub> or Me<sub>2</sub>CO)

**Melting Point:** Mp 71-73°

>>Derivative: *N*-Ac

CAS Registry Number: 18044-91-2

**Molecular Formula:** C<sub>10</sub>H<sub>9</sub>NOS

**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%

**Physical Description:** Cryst. (EtOH or C<sub>6</sub>H<sub>6</sub>)

**Melting Point:** Mp 106° (108°)

#### References:

Fries, K. *et al.*, *Annalen*, 1936, **527**, 83, (*synth*)

Martin-Smith, M. *et al.*, *J.A.C.S.*, 1956, **78**, 5351, (*synth*)

Caddy, B. *et al.*, *Aust. J. Chem.*, 1968, **21**, 1853, (*nmr*)

Zambias, R.A. *et al.*, *Synth. Commun.*, 1991, **21**, 959, (*synth*, *pmr*)