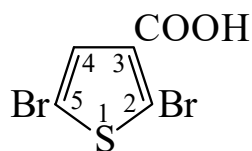




>>Entry Name: 2,5-Dibromo-3-thiophenecarboxylic acid, 8Cl



**CAS Registry Number:** 7311-70-8

**Molecular Formula:** C<sub>5</sub>H<sub>2</sub>Br<sub>2</sub>O<sub>2</sub>S

**Molecular Weight:** 285.944

**Accurate Mass:** 283.854222

**Percentage Composition:** C 21.00%; H 0.70%; Br 55.89%; O 11.19%; S 11.21%

**Physical Description:** Cryst. (H<sub>2</sub>O)

**Melting Point:** Mp 178° (175-176°)

>>Derivative: Me ester

**CAS Registry Number:** 77014-10-9

**Molecular Formula:** C<sub>6</sub>H<sub>4</sub>Br<sub>2</sub>O<sub>2</sub>S

**Molecular Weight:** 299.97

**Accurate Mass:** 297.869872

**Percentage Composition:** C 24.02%; H 1.34%; Br 53.27%; O 10.67%; S 10.69%

**Physical Description:** Cryst. (MeOH)

**Melting Point:** Mp 60-61°

>>Derivative: Amide

**Molecular Formula:** C<sub>5</sub>H<sub>3</sub>Br<sub>2</sub>NOS

**Molecular Weight:** 284.959

**Accurate Mass:** 282.870206

**Percentage Composition:** C 21.07%; H 1.06%; Br 56.08%; N 4.92%; O 5.61%; S 11.25%

**Physical Description:** Cryst. (H<sub>2</sub>O)

**Melting Point:** Mp 147-148°

>>Derivative: Nitrile

**Synonym(s):** 2,5-Dibromo-3-thiophenecarbonitrile

**CAS Registry Number:** 18792-01-3

**Molecular Formula:** C<sub>5</sub>HBr<sub>2</sub>NS

**Molecular Weight:** 266.944

**Accurate Mass:** 264.859641

**Percentage Composition:** C 22.50%; H 0.38%; Br 59.87%; N 5.25%; S 12.01%

**Physical Description:** Cryst. (EtOH aq.)

**Melting Point:** Mp 76°

#### References:

Campaigne, E. *et al.*, *J.A.C.S.*, 1954, **76**, 2445, (*synth, amide*)

Fournari, P. *et al.*, *Bull. Soc. Chim. Fr.*, 1967, 4115, (*synth, nitrile*)

Bowie, J.H. *et al.*, *J. Chin. Biochem. Soc.*, 1967, 616, (*ms*)