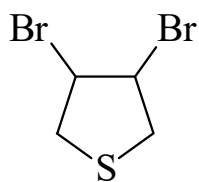




>>Entry Name: 3,4-Dibromotetrahydrothiophene



**CAS Registry Number:** 15091-32-4

**Related CAS Registry Numbers(s):** 15091-30-2

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

**Molecular Weight:** 245.965

**Accurate Mass:** 243.895692

**Percentage Composition:** C 19.53%; H 2.46%; Br 64.97%; S 13.04%

**Boiling Point:** Bp<sub>0.57</sub> 85-85.7°

**Other Data:** Synth. and props. refer to mixt. of stereoisomers

>>Derivative: S,S-Dioxide

**CAS Registry Number:** 7311-84-4

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

**Molecular Weight:** 277.964

**Accurate Mass:** 275.885522

**Percentage Composition:** C 17.28%; H 2.18%; Br 57.49%; O 11.51%; S 11.54%

**Physical Description:** Plates (CHCl<sub>3</sub>/C<sub>6</sub>H<sub>6</sub>)

**Melting Point:** Mp 142.5-143.5° (141-141.8°)

**Boiling Point:** Bp<sub>15</sub> 204° dec.

**Aldrich:** 40468-3

**Other:** PB D10714

#### References:

Kilmer, G.W. *et al.*, *J. Biol. Chem.*, 1942, **145**, 495, (*synth*)

Krug, R.C. *et al.*, *J. Het. Chem.*, 1967, **4**, 309, (*synth*)