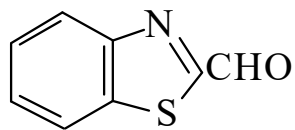




>>Entry Name: 2-Benzothiazolecarboxaldehyde, 9CI

Synonym(s): Benzo-1,3-thiazole-2-aldehyde. 2-Formylbenzothiazole



CAS Registry Number: 6639-57-2

Molecular Formula: C<sub>8</sub>H<sub>5</sub>NOS

Molecular Weight: 163.2

Accurate Mass: 163.009184

Percentage Composition: C 58.88%; H 3.09%; N 8.58%; O 9.80%; S 19.65%

Physical Description: Cryst. (petrol)

Melting Point: Mp 75°

>>Derivative: Oxime

CAS Registry Number: 1199-33-3

Molecular Formula: C<sub>8</sub>H<sub>6</sub>N<sub>2</sub>OS

Molecular Weight: 178.214

Accurate Mass: 178.020083

Percentage Composition: C 53.92%; H 3.39%; N 15.72%; O 8.98%; S 17.99%

Melting Point: Mp 192-196°. Mp 167-173°

Other Data: Occurs in two forms

#### References:

Forman, S.E., *J.O.C.*, 1964, **29**, 3323-3327, (*oxime*)

Caló, V. *et al.*, *J.C.S. Perkin I*, 1972, 1652-1653, (*synth, use*)

*Fieser and Fieser's Reagents for Organic Synthesis*, Wiley, 1975, **5**, 24, (*synth, use*)

Linke, S. *et al.*, *Annalen*, 1980, 542-556, (*synth, use*)