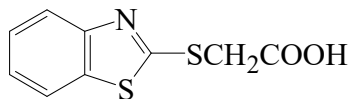




>>Entry Name: (2-Benzothiazolylthio)acetic acid

Synonym(s): 2-(Carboxymethylthio)benzothiazole



CAS Registry Number: 6295-57-4

Related CAS Registry Numbers(s): 51618-17-8 54420-74-5 80357-75-1 112923-13-4

Molecular Formula: C₉H₇NO₂S₂

Molecular Weight: 225.292

Accurate Mass: 224.991819

Percentage Composition: C 47.98%; H 3.13%; N 6.22%; O 14.20%; S 28.47%

Physical Description: Cryst.

Melting Point: Mp 153-155°

Rare Chemicals Library: S27415-1

>>Derivative: Me ester

CAS Registry Number: 24044-87-9

Molecular Formula: C₁₀H₉NO₂S₂

Molecular Weight: 239.319

Accurate Mass: 239.007469

Percentage Composition: C 50.19%; H 3.79%; N 5.85%; O 13.37%; S 26.80%

Melting Point: Mp 75-76°

>>Derivative: Et ester

CAS Registry Number: 24044-88-0

Molecular Formula: C₁₁H₁₁NO₂S₂

Molecular Weight: 253.345

Accurate Mass: 253.023119

Percentage Composition: C 52.15%; H 4.38%; N 5.53%; O 12.63%; S 25.31%

Melting Point: Mp 42°

>>Derivative: Hydrazide

CAS Registry Number: 24044-91-5

Molecular Formula: C₉H₉N₃OS₂

Molecular Weight: 239.322

Accurate Mass: 239.018702

Percentage Composition: C 45.17%; H 3.79%; N 17.56%; O 6.69%; S 26.80%

Melting Point: Mp 174-175°

>>Derivative: Nitrile

Synonym(s): 2-(Cyanomethylthio)benzothiazole

CAS Registry Number: 24793-01-9

Molecular Formula: C₉H₆N₂S₂

Molecular Weight: 206.292

Accurate Mass: 205.997238

Percentage Composition: C 52.40%; H 2.93%; N 13.58%; S 31.09%

Physical Description: Cryst. (MeOH)

Melting Point: Mp 81-82°

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