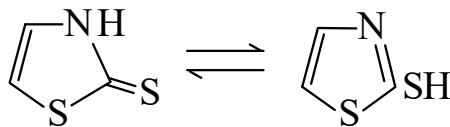




>>Entry Name: **2(3*H*)-Thiazolethione**, 9CI

Synonym(s): 4-Thiazoline-2-thione, 8CI. 2-Thiazolethiol. 2-Thiothiazolone. 2-Mercaptothiazole



CAS Registry Number: 5685-05-2

Related CAS Registry Numbers(s): 5459-03-0

Molecular Formula: C₃H₃NS₂

Molecular Weight: 117.195

Accurate Mass: 116.970689

Percentage Composition: C 30.75%; H 2.58%; N 11.95%; S 54.72%

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 78-80°

Rare Chemicals Library: S59516-0

>>Variant: *SH*-form

Molecular Formula: C₃H₃NS₂

Molecular Weight: 117.195

Accurate Mass: 116.970689

Percentage Composition: C 30.75%; H 2.58%; N 11.95%; S 54.72%

>>Derivative: *S*-Me

Synonym(s): 2-(Methylthio)thiazole

CAS Registry Number: 5053-24-7

Molecular Formula: C₄H₅NS₂

Molecular Weight: 131.222

Accurate Mass: 130.986339

Percentage Composition: C 36.61%; H 3.84%; N 10.67%; S 48.87%

Boiling Point: Bp₂ 68°

>>Derivative: *S*-Et

Synonym(s): 2-(Ethylthio)thiazole

CAS Registry Number: 14527-48-1

Molecular Formula: C₅H₇NS₂

Molecular Weight: 145.249

Accurate Mass: 145.001989

Percentage Composition: C 41.35%; H 4.86%; N 9.64%; S 44.15%

Boiling Point: Bp₂ 70°

>>Derivative: *S*-Isopropyl

CAS Registry Number: 15545-30-9

Molecular Formula: C₆H₉NS₂

Molecular Weight: 159.276

Accurate Mass: 159.017639

Percentage Composition: C 45.25%; H 5.70%; N 8.79%; S 40.26%

Boiling Point: Bp₅ 66°

>>Derivative: Disulfide

Synonym(s): 2,2'-Dithiobisthiazole, 9CI

CAS Registry Number: 20362-54-3

Molecular Formula: C₆H₄N₂S₄

Molecular Weight: 232.375

Accurate Mass: 231.925728

Percentage Composition: C 31.01%; H 1.73%; N 12.06%; S 55.20%

Physical Description: Light-yellow needles (hexane)

Melting Point: Mp 83°

Other Data: Dec. slowly on storage

References: