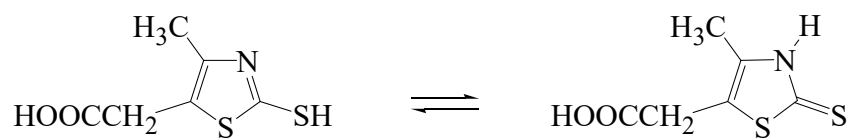




>>Entry Name: 2-Mercapto-4-methyl-5-thiazoleacetic acid

Synonym(s): 2,3-Dihydro-4-methyl-2-thioxo-5-thiazoleacetic acid



CAS Registry Number: 34272-64-5

Molecular Formula: $C_6H_7NO_2S_2$

Molecular Weight: 189.259

Accurate Mass: 188.991819

Percentage Composition: C 38.08%; H 3.73%; N 7.40%; O 16.91%; S 33.89%

Melting Point: Mp 208.5-209° (dec.)

>>Derivative: Et ester

Molecular Formula: $C_8H_{11}NO_2S_2$

Molecular Weight: 217.312

Accurate Mass: 217.023119

Percentage Composition: C 44.22%; H 5.10%; N 6.45%; O 14.72%; S 29.51%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 111-112°

>>Derivative: Amide

Molecular Formula: $C_6H_8N_2OS_2$

Molecular Weight: 188.274

Accurate Mass: 188.007803

Percentage Composition: C 38.28%; H 4.28%; N 14.88%; O 8.50%; S 34.06%

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 244.5-245°

References:

Haro, Y. *et al.*, *Yakugaku Zasshi*, 1954, **2**, 156-158; *CA*, **50**, 963d, (*synth*, *Et ester*, *amide*)