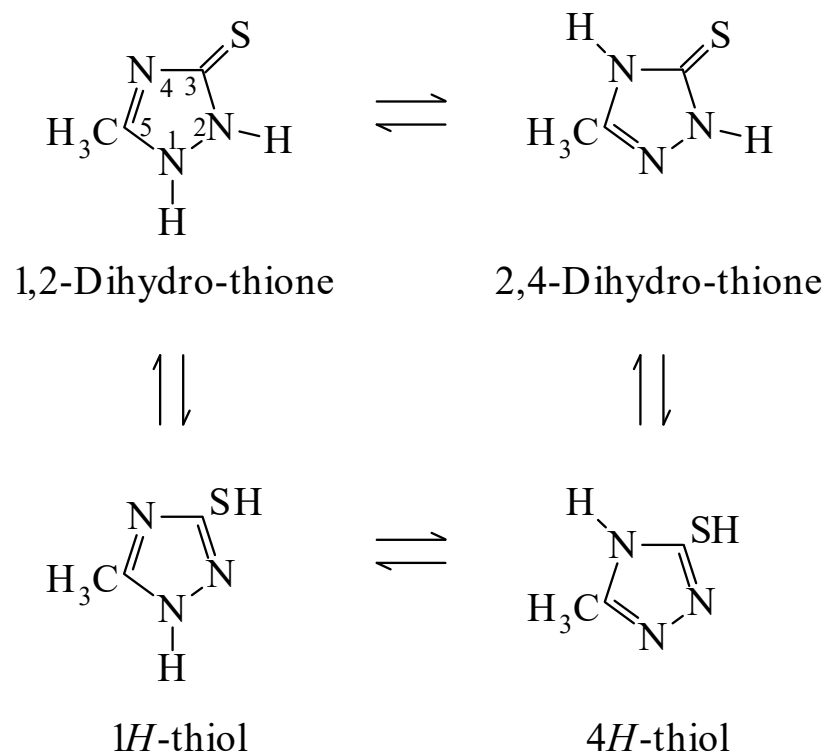




>>Entry Name: 3-Mercapto-5-methyl-1,2,4-triazole

Synonym(s): 1,2-Dihydro-5-methyl-3*H*-1,2,4-triazole-3-thione, 9CI. 3-Methyl- Δ^2 -1,2,4-triazoline-5-thione, 8CI. 5-Methyl-1,2,4-triazole-3-thiol



CAS Registry Number: 7271-44-5

Related CAS Registry Numbers(s): 6232-81-1

Molecular Formula: C₃H₅N₃S

Molecular Weight: 115.159

Accurate Mass: 115.020417

Percentage Composition: C 31.29%; H 4.38%; N 36.49%; S 27.85%

Physical Description: Cryst. (H₂O)

Melting Point: Mp 282-283°

Aldrich: 41563-4

Rare Chemicals Library: S27523-9

>>Derivative: 1-Me

Synonym(s): 1,2-Dihydro-1,5-dimethyl-3*H*-1,2,4-triazole-3-thione, 9CI

CAS Registry Number: 41125-67-1

Molecular Formula: C₄H₇N₃S

Molecular Weight: 129.185

Accurate Mass: 129.036067

Percentage Composition: C 37.19%; H 5.46%; N 32.53%; S 24.82%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 277-278°

>>Derivative: 2-Me

Synonym(s): 1,2-Dihydro-2,5-dimethyl-3*H*-1,2,4-triazole-3-thione, 9CI

CAS Registry Number: 41125-66-0

Molecular Formula: C₄H₇N₃S

Molecular Weight: 129.185

Accurate Mass: 129.036067

Percentage Composition: C 37.19%; H 5.46%; N 32.53%; S 24.82%

Physical Description: Cryst. (CHCl₃)

Melting Point: Mp 173-174°

>>Derivative: 4-Me

Synonym(s): 2,4-Dihydro-4,5-dimethyl-3*H*-1,2,4-triazole-3-thione, 9CI. 4,5-Dimethyl-4*H*-1,2,4-triazole-3-thiol, 8CI

CAS Registry Number: 38942-50-6

Molecular Formula: C₄H₇N₃S

Molecular Weight: 129.185

Accurate Mass: 129.036067

Percentage Composition: C 37.19%; H 5.46%; N 32.53%; S 24.82%

Physical Description: Cryst. (EtOH or H₂O)

Melting Point: Mp 215-216°