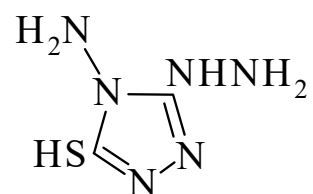




>>Entry Name: 4-Amino-3-hydrazino-5-mercapto-1,2,4-triazole

Synonym(s): 4-Amino-5-thioxo-1,2,4-triazolidin-3-one 3-hydrazone, 9Cl. 4-Amino-5-hydrazino-4*H*-1,2,4-triazole-3-thiol, 8Cl. 4-Amino-3-hydrazino-1,2,4-triazoline-5-thione. Purpald



CAS Registry Number: 1750-12-5

Molecular Formula: C₂H₆N₆S

Molecular Weight: 146.176

Accurate Mass: 146.037464

Percentage Composition: C 16.43%; H 4.14%; N 57.49%; S 21.94%

General Statement: Several tautomers possible

Use/Importance: Used for photometric detn. of aldehydes

Physical Description: Prisms (H₂O)

Melting Point: Mp 240 dec.°

Aldrich: 16289-2

Fluka: 8095

Sigma: P3021

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **2**, 626A, (*ir*)

Potts, K.T. *et al.*, *J.O.C.*, 1968, **33**, 143, (*synth, ir*)

Kennard, G.H.L. *et al.*, *J.C.S.(B)*, 1971, 270

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Durst, H.D. *et al.*, *J. Chem. Educ.*, 1978, **55**, 206, (*use*)