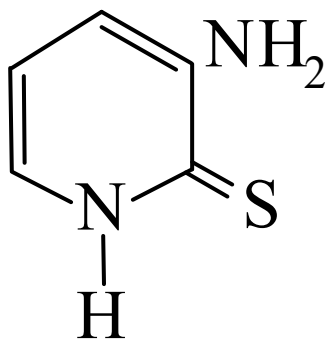




>>Entry Name: 3-Amino-2-pyridinethiol

Synonym(s): 3-Amino-2(1H)-pyridinethione. 3-Amino-2-mercaptopyridine



CAS Registry Number: 38240-21-0

Molecular Formula: C₅H₆N₂S

Molecular Weight: 126.182

Accurate Mass: 126.025168

Percentage Composition: C 47.59%; H 4.79%; N 22.20%; S 25.41%

Physical Description: Greenish-yellow needles (MeOH or C₆H₆)

Melting Point: Mp 133-134°

Hazard & Toxicity: Prep. descr. in earlier ref. can be explosive

>>Derivative: Hydrochloride

Physical Description: Yellow needles (EtOH/Et₂O)

Melting Point: Mp 227-228 dec.°

>>Derivative: 3-N-Ac

CAS Registry Number: 53952-46-8

Molecular Formula: C₇H₈N₂OS

Molecular Weight: 168.219

Accurate Mass: 168.035733

Percentage Composition: C 49.98%; H 4.79%; N 16.65%; O 9.51%; S 19.06%

Melting Point: Mp 196-197°

References:

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Okafor, C.O., *J.O.C.*, 1982, **47**, 592-594, (*synth*)

Giorgi, G. *et al.*, *J. Het. Chem.*, 2000, **37**, 421-423, (*3-N-Ac, cryst struct*)