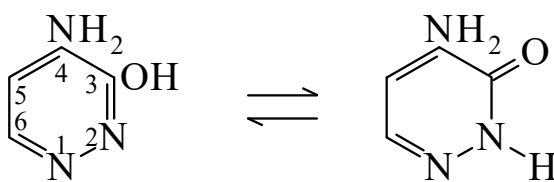




>>Entry Name: 4-Amino-3-hydroxypyridazine

Synonym(s): 4-Amino-3(2*H*)-pyridazinone, 9Cl. 4-Amino-3-pyridazinol



CAS Registry Number: 55271-46-0

Molecular Formula: C₄H₅N₃O

Molecular Weight: 111.103

Accurate Mass: 111.043262

Percentage Composition: C 43.24%; H 4.54%; N 37.82%; O 14.40%

Physical Description: Plates (H₂O)

Melting Point: Mp 232-234°

>>Variant: 2*H*-form

Molecular Formula: C₄H₅N₃O

Molecular Weight: 111.103

Accurate Mass: 111.043262

Percentage Composition: C 43.24%; H 4.54%; N 37.82%; O 14.40%

>>Derivative: *N*²-Me

CAS Registry Number: 13563-36-5

Molecular Formula: C₅H₇N₃O

Molecular Weight: 125.13

Accurate Mass: 125.058912

Percentage Composition: C 47.99%; H 5.64%; N 33.58%; O 12.79%

Physical Description: Rods (EtOAc)

Melting Point: Mp 175-176°

>>Variant: *OH*-form

Molecular Formula: C₄H₅N₃O

Molecular Weight: 111.103

Accurate Mass: 111.043262

Percentage Composition: C 43.24%; H 4.54%; N 37.82%; O 14.40%

>>Derivative: Me ether

Synonym(s): 3-Methoxy-4-pyridazinamine, 9Cl

CAS Registry Number: 89179-63-5

Molecular Formula: C₅H₇N₃O

Molecular Weight: 125.13

Accurate Mass: 125.058912

Percentage Composition: C 47.99%; H 5.64%; N 33.58%; O 12.79%

Physical Description: Cryst. (C₆H₆)

Melting Point: Mp 127°

>>Derivative: Me ether, *N*¹-oxide

Molecular Formula: C₅H₇N₃O₂

Molecular Weight: 141.129

Accurate Mass: 141.053827

Percentage Composition: C 42.55%; H 5.00%; N 29.77%; O 22.67%

Physical Description: Needles (CHCl₃)

Melting Point: Mp 180 dec.°

References:

Kuraishi, T., *Chem. Pharm. Bull.*, 1958, **6**, 331, (*synth*)

Igeta, H., *Chem. Pharm. Bull.*, 1960, **8**, 550, (*synth, Me ether*)

Nakagona, T. *et al.*, *Chem. Pharm. Bull.*, 1966, **14**, 1082, (*2-Me*)

Tondys, H. *et al.*, *J. Het. Chem.*, 1986, **23**, 621, (*Me ether*)

Coates, W.J. *et al.*, *Heterocycles*, 1989, **29**, 1077; 1993, **35**, 1313, (*synth, pmr*)

Plé, N. *et al.*, *Synthesis*, 1996, 838, (*Me ether*)