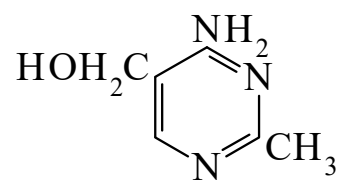




>>Entry Name: 4-Amino-5-(hydroxymethyl)-2-methylpyrimidine

Synonym(s): 4-Amino-2-methyl-5-pyrimidinemethanol, 9Cl. Toxopyrimidine. Pyramin‡



CAS Registry Number: 73-67-6

Molecular Formula: C₆H₉N₃O

Molecular Weight: 139.157

Accurate Mass: 139.074562

Percentage Composition: C 51.79%; H 6.52%; N 30.20%; O 11.50%

Use/Importance: Pyridoxine antagonist, herbicide, convulsant

Physical Description: Cryst. (MeOH/Et₂O or H₂O)

Melting Point: Mp 198-200° (193-198°)

>>Derivative: Hydrochloride

CAS Registry Number: 15818-06-1

Melting Point: Mp 218-219 dec.°

>>Derivative: Picrate

Physical Description: Needles

Melting Point: Mp 196°

>>Derivative: Me ether

Synonym(s): 4-Amino-5-(methoxymethyl)-2-methylpyrimidine

CAS Registry Number: 769-82-4

Molecular Formula: C₇H₁₁N₃O

Molecular Weight: 153.183

Accurate Mass: 153.090212

Percentage Composition: C 54.89%; H 7.24%; N 27.43%; O 10.44%

Physical Description: Columns

Melting Point: Mp 116°

Other: Hüls

>>Derivative: Me ether, picrate

Melting Point: Mp 208°

References:

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Morimoto, H. *et al.*, *Chem. Ber.*, 1973, **106**, 893, (*synth*)
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