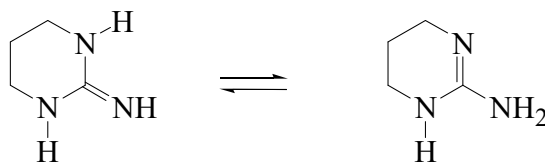




>> **Name:** 2-Amino-1,4,5,6-tetrahydropyrimidine

Synonym(s): 1,4,5,6-Tetrahydro-2-pyrimidinamine, 9Cl. Tetrahydro-2-iminopyrimidine



CAS Registry Number: 41078-65-3

Molecular Formula: C₄H₉N₃

Molecular Weight: 99.135

Accurate Mass: 99.079647

Percentage Composition: C 48.46%; H 9.15%; N 42.39%

>>**Derivative:** Hydrochloride

CAS Registry Number: 26893-39-0

Melting Point: Mp 153°

>>**Derivative:** Sulfate (2:1)

CAS Registry Number: 89020-34-8

Physical Description: Solid

Melting Point: Mp 304° (dec.)

>>**Derivative:** Picrate

Melting Point: Mp 183-184°

>>**Derivative:** *N*¹-Me

Synonym(s): 2-Amino-1,4,5,6-tetrahydro-1-methylpyrimidine. 1,4,5,6-Tetrahydro-1-methyl-2-pyrimidinamine

CAS Registry Number: 71766-75-1

Molecular Formula: C₅H₁₁N₃

Molecular Weight: 113.162

Accurate Mass: 113.095297

Percentage Composition: C 53.07%; H 9.80%; N 37.13%

Melting Point: Mp 145-146° (as hydrochloride)

pKa Value: p*K*_a 12.4 (H₂O)

Other Data: CAS no. refers to hydrochloride

>>**Derivative:** *N*¹-Me, 2-*N*-Ac

CAS Registry Number: 99645-82-6

Molecular Formula: C₇H₁₃N₃O

Molecular Weight: 155.199

Accurate Mass: 155.105862

Percentage Composition: C 54.17%; H 8.44%; N 27.07%; O 10.31%

Physical Description: Cryst. (Me₂CO)

Melting Point: Mp 111-113°

Rare Chemicals Library: S89765-5

>>**Derivative:** 2-*N,N*-Di-Me

Synonym(s): 2-(Dimethylamino)-1,4,5,6-tetrahydropyrimidine. 1,4,5,6-Tetrahydro-*N,N*-dimethyl-2-pyrimidinamine

CAS Registry Number: 35394-41-3

Molecular Formula: C₆H₁₃N₃

Molecular Weight: 127.189

Accurate Mass: 127.110947

Percentage Composition: C 56.66%; H 10.30%; N 33.04%

Melting Point: Mp *ca.* 45°

Boiling Point: Bp₁ 88-90°

References: