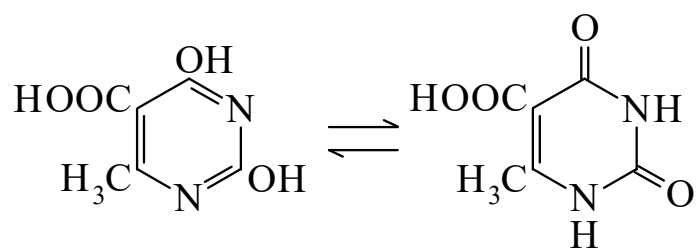




>>Entry Name: 2,4-Dihydroxy-6-methyl-5-pyrimidinecarboxylic acid

Synonym(s): 1,2,3,6-Tetrahydro-4-methyl-2,6-dioxo-5-pyrimidinecarboxylic acid, 9Cl. 5-Carboxy-6-methyluracil



CAS Registry Number: 51622-67-4

Molecular Formula: $C_6H_6N_2O_4$

Molecular Weight: 170.124

Accurate Mass: 170.032758

Percentage Composition: C 42.36%; H 3.55%; N 16.47%; O 37.62%

General Statement: Di-*NH*-form predominates

Physical Description: Needles + 1/3 H_2O (H_2O)

Melting Point: Mp 242 dec.°

>>Derivative: Amide

Synonym(s): 5-Carbamoyl-6-methyluracil

Molecular Formula: $C_6H_7N_3O_3$

Molecular Weight: 169.14

Accurate Mass: 169.048742

Percentage Composition: C 42.61%; H 4.17%; N 24.84%; O 28.38%

Physical Description: Prisms + 1/3 H_2O (H_2O)

Melting Point: Mp 300°

>>Derivative: Nitrile

Synonym(s): 5-Cyano-6-methyluracil

CAS Registry Number: 5900-40-3

Molecular Formula: $C_6H_5N_3O_2$

Molecular Weight: 151.124

Accurate Mass: 151.038177

Percentage Composition: C 47.69%; H 3.33%; N 27.80%; O 21.17%

Physical Description: Prisms (H_2O)

Melting Point: Mp 300°

Rare Chemicals Library: S61738-5

References:

Kanatomo, S. *et al.*, *Chem. Pharm. Bull.*, 1981, **29**, 229, (*synth, bibl*)