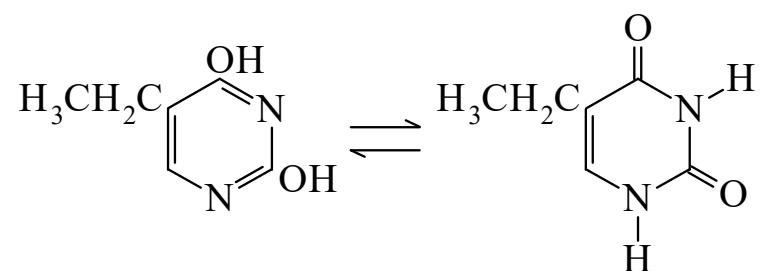




>>Entry Name: 5-Ethyl-2,4-dihydroxypyrimidine

Synonym(s): 5-Ethyl-2,4-pyrimidinediol. 5-Ethyl-2,4(1*H*,3*H*)-pyrimidinedione, 9CI. 5-Ethyluracil



CAS Registry Number: 4212-49-1

Molecular Formula: C<sub>6</sub>H<sub>8</sub>N<sub>2</sub>O<sub>2</sub>

Molecular Weight: 140.141

Accurate Mass: 140.058578

Percentage Composition: C 51.42%; H 5.75%; N 19.99%; O 22.83%

Physical Description: Cryst.

Melting Point: Mp 302-303°

Aldrich: 23044-8

Sigma: E6886

>>Variant: *NH*-form

Molecular Formula: C<sub>6</sub>H<sub>8</sub>N<sub>2</sub>O<sub>2</sub>

Molecular Weight: 140.141

Accurate Mass: 140.058578

Percentage Composition: C 51.42%; H 5.75%; N 19.99%; O 22.83%

>>Derivative: Mono-Hg(1+) salt

CAS Registry Number: 25181-82-2

Physical Description: Cryst.

Melting Point: Mp 360°

>>Derivative: 1-Ac

Molecular Formula: C<sub>8</sub>H<sub>10</sub>N<sub>2</sub>O<sub>3</sub>

Molecular Weight: 182.179

Accurate Mass: 182.069143

Percentage Composition: C 52.74%; H 5.53%; N 15.38%; O 26.35%

Physical Description: Cryst.

Melting Point: Mp 142-145°

>>Derivative: 1-Me

Synonym(s): 5-Ethyl-1-methyl-2,4(1*H*,3*H*)-pyrimidinedione. 5-Ethyl-1-methyluracil

CAS Registry Number: 19030-68-3

Molecular Formula: C<sub>7</sub>H<sub>10</sub>N<sub>2</sub>O<sub>2</sub>

Molecular Weight: 154.168

Accurate Mass: 154.074228

Percentage Composition: C 54.54%; H 6.54%; N 18.17%; O 20.76%

Physical Description: Cryst. (EtOH/Et<sub>2</sub>O)

Melting Point: Mp 162°

>>Derivative: 3-Me

Synonym(s): 5-Ethyl-3-methyl-2,4-(1*H*,3*H*)-pyrimidinedione, 9CI

CAS Registry Number: 25028-08-4

Molecular Formula: C<sub>7</sub>H<sub>10</sub>N<sub>2</sub>O<sub>2</sub>

Molecular Weight: 154.168

Accurate Mass: 154.074228

Percentage Composition: C 54.54%; H 6.54%; N 18.17%; O 20.76%

Physical Description: Cryst.

Melting Point: Mp 153°