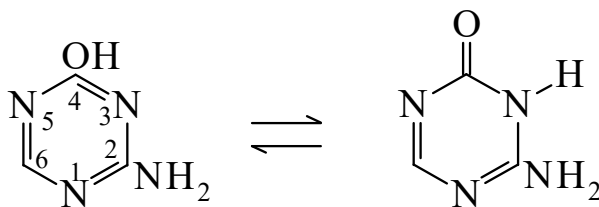




>>Entry Name: 2-Amino-4-hydroxy-1,3,5-triazine

Synonym(s): 4-Amino-1,3,5-triazin-2(1H)-one, 9Cl. 4-Amino-*s*-triazin-2-ol. 5-Azacytosine



CAS Registry Number: 931-86-2

Related CAS Registry Numbers(s): 4040-10-2

Molecular Formula: C₃H₄N₄O

Molecular Weight: 112.091

Accurate Mass: 112.038511

Percentage Composition: C 32.15%; H 3.60%; N 49.98%; O 14.27%

General Statement: Care needed with numbering of tautomers. Descriptors here refer to the numbering scheme shown

Physical Description: Microcryst. powder

Melting Point: Mp 350 dec.°

Solubility: Insol. org. solvs.

Aldrich: 85504-9

Fluka: 11387

Sigma: A3891

>>Derivative: Hydrochloride

CAS Registry Number: 16352-14-0

Physical Description: Solid

Melting Point: Mp 350° (cryst. change at 250°)

>>Derivative: 3-β-D-Ribofuranosyl

see 5-Azacytidine, [BWR47-G](#)

>>Derivative: 3-(2,3-Dideoxy-β-D-ribofuranosyl)

Synonym(s): 2',3'-Dideoxy-5-azacytidine

CAS Registry Number: 107036-52-2

Molecular Formula: C₈H₁₂N₄O₃

Molecular Weight: 212.208

Accurate Mass: 212.090941

Percentage Composition: C 45.28%; H 5.70%; N 26.40%; O 22.62%

Physical Description: Solid

Melting Point: Mp 247 dec.°

>>Derivative: 2-*N*-Me

CAS Registry Number: 16352-16-2

Molecular Formula: C₄H₆N₄O

Molecular Weight: 126.118

Accurate Mass: 126.054161

Percentage Composition: C 38.09%; H 4.80%; N 44.42%; O 12.69%

Physical Description: Cryst. (H₂O)

Melting Point: Mp 310-311°

>>Derivative: *N*²,5-*N*-Di-Me

CAS Registry Number: 16352-08-2

Molecular Formula: C₅H₈N₄O

Molecular Weight: 140.144

Accurate Mass: 140.069811

Percentage Composition: C 42.85%; H 5.75%; N 39.98%; O 11.42%

Physical Description: Cryst.

Melting Point: Mp 270-271°