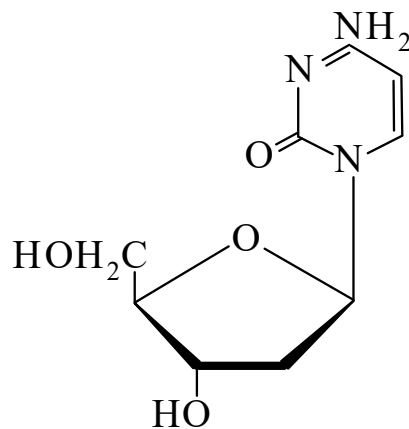




>>Entry Name: **2'-Deoxycytidine**, 9Cl, 8Cl

Synonym(s): 1-(2-Deoxy-β-D-*erythro*-pentofuranosyl)cytosine, 9Cl. Cytosine deoxyriboside. Cytosine deoxyribonucleoside



CAS Registry Number: 951-77-9

Molecular Formula: C₉H₁₃N₃O₄

Molecular Weight: 227.219

Accurate Mass: 227.090607

Percentage Composition: C 47.57%; H 5.77%; N 18.49%; O 28.17%

Melting Point: Mp 207-210°

Optical Rotation: [α]_D +57.6 (H₂O)

Hazard & Toxicity: Exp. reprod. effects

Fluka: 31007

Sigma: D0883

>>Derivative: Hydrochloride

CAS Registry Number: 3992-42-5

Extra CAS Registry Numbers(s): 25203-63-8

Melting Point: Mp 161-164°

Optical Rotation: [α]_D²⁴ +54.3 (c, 6.4 in H₂O)

Aldrich: 85286-4

Fluka: 31010

Sigma: D8006

>>Derivative: Picrate

Melting Point: Mp 188-192 dec.°

>>Derivative: 3'-Phosphate

Synonym(s): 2'-Deoxy-3'-cytidylic acid

CAS Registry Number: 6220-63-9

Molecular Formula: C₉H₁₄N₃O₇P

Molecular Weight: 307.199

Accurate Mass: 307.056939

Percentage Composition: C 35.19%; H 4.59%; N 13.68%; O 36.46%; P 10.08%

Physical Description: Needles (EtOH aq.)

Melting Point: Mp 196-197 dec.°

Optical Rotation: [α]_D¹⁷ +57 (c, 1.4 in H₂O)

>>Derivative: 5'-Phosphate

CAS Registry Number: 1032-65-1

Molecular Formula: C₉H₁₄N₃O₇P

Molecular Weight: 307.199

Accurate Mass: 307.056939

Percentage Composition: C 35.19%; H 4.59%; N 13.68%; O 36.46%; P 10.08%

Melting Point: Mp 183-184 dec.°