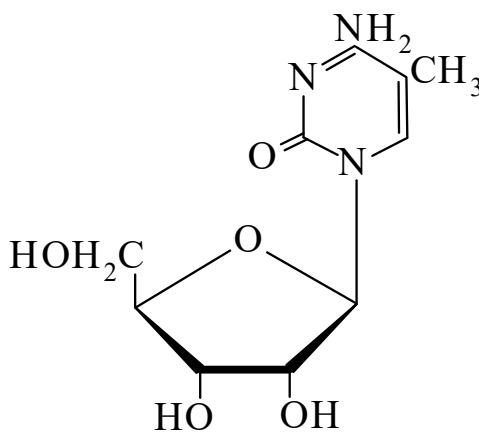




>>Entry Name: 5-Methylcytidine, 9CI, 8CI
ENTRY UNDER REVIEW



CAS Registry Number: 2140-61-6

Molecular Formula: $C_{10}H_{15}N_3O_5$

Molecular Weight: 257.246

Accurate Mass: 257.101172

Percentage Composition: C 46.69%; H 5.88%; N 16.33%; O 31.10%

Biological Source: Metab. of *Brevibacterium ammoniagenes* and from *Azotobacter aerogenes*. Prod. of hydrol. of wheat RNA

Melting Point: Mp 238-240° (210-211°)

Optical Rotation: $[\alpha]_D^{23} -3$ (1M NaOH)

pKa Value: pK_{a1} 4.21; pK_{a2} 13

Other Data: λ_{max} 278 nm (ϵ 8 700) (H₂O)

Aldrich: 85987-7

Sigma: M4254

References:

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