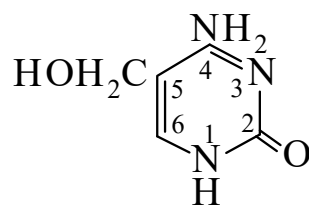




>>Entry Name: 4-Amino-5-hydroxymethyl-2(1*H*)-pyrimidinone, 9Cl

Synonym(s): 5-Hydroxymethylcytosine



CAS Registry Number: 1123-95-1

Molecular Formula: C₅H₇N₃O₂

Molecular Weight: 141.129

Accurate Mass: 141.053827

Percentage Composition: C 42.55%; H 5.00%; N 29.77%; O 22.67%

Biological Source: DNA constit. of various plants and viruses

Physical Description: Cryst. + 0.5H₂O (H₂O)

pKa Value: p*K*_{a1} 4.32; p*K*_{a2} 13

Other Data: Dec. >200°

Rare Chemicals Library: S78715-9

Sigma: H1502

References:

Wyatt, G.R. *et al.*, *Biochem. J.*, 1953, **55**, 774; *Nature (London)*, 1952, **170**, 1072, (*isol*)

Miller, C.S., *J.A.C.S.*, 1955, **77**, 752, (*synth, uv*)