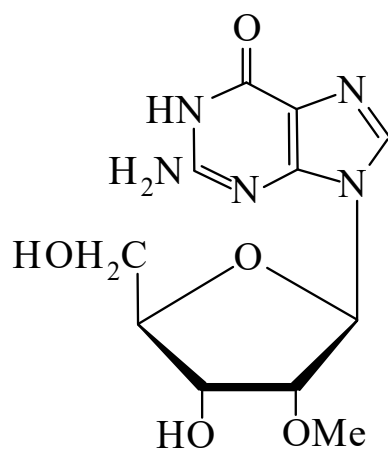




>>Entry Name: 2'-*O*-Methylguanosine, 9Cl, 8Cl



CAS Registry Number: 2140-71-8

Molecular Formula: C₁₁H₁₅N₅O₅

Molecular Weight: 297.27

Accurate Mass: 297.10732

Percentage Composition: C 44.44%; H 5.09%; N 23.56%; O 26.91%

Biological Source: Constit. of yeast sRNA

Physical Description: Cryst. (MeOH)

Melting Point: Mp 234-236°

Optical Rotation: $[\alpha]_D^{22} -38.4$ (c, 0.6 in H₂O)

Other Data: $\lambda_{\max}$ 255.5 (ε 10 660) (pH 1), 258 nm (9 776) (pH 11)

Sigma: M5258

References:

Morisawa, S. *et al.*, *Biochim. Biophys. Acta*, 1963, **68**, 147

Khwaja, T.A. *et al.*, *J.A.C.S.*, 1966, **88**, 3640, (*synth*, *pmr*)

Howlett, H.A. *et al.*, *Anal. Biochem.*, 1971, **39**, 429, (*ms*)

Robins, M.J. *et al.*, *J.O.C.*, 1974, **39**, 1891, (*synth*)

Beigelman, L. *et al.*, *Tetrahedron*, 2000, **56**, 1047-1056, (*synth*)