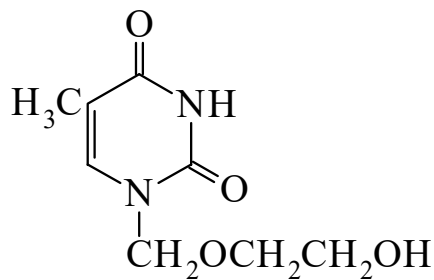




>>Entry Name: Acyclothymidine

Synonym(s): 1-[(2-Hydroxyethoxy)methyl]-5-methyl-2,4(1*H*,3*H*)-pyrimidinedione, 9Cl



CAS Registry Number: 68724-11-8

Molecular Formula: C₈H₁₂N₂O₄

Molecular Weight: 200.194

Accurate Mass: 200.079708

Percentage Composition: C 48.00%; H 6.04%; N 13.99%; O 31.97%

Use/Importance: Open-chain thymidine analogue

Physical Description: Cryst. (MeOH)

Melting Point: Mp 150.5-152°

Other Data: Does not show antiviral activity

>>Derivative: Ac

CAS Registry Number: 81777-42-6

Molecular Formula: C₁₀H₁₄N₂O₅

Molecular Weight: 242.231

Accurate Mass: 242.090273

Percentage Composition: C 49.58%; H 5.83%; N 11.56%; O 33.03%

Physical Description: Cryst. (CHCl₃)

Melting Point: Mp 123-125°

References:

Abrams, H.M. *et al.*, *J. Het. Chem.*, 1981, **18**, 947, (*synth*)

Kelley, J.L. *et al.*, *J. Med. Chem.*, 1981, **24**, 753, (*synth*, *uv*, *pmr*)

Schroeder, A.C. *et al.*, *J. Med. Chem.*, 1981, **24**, 1078, (*synth*, *uv*, *pmr*)

Robins, M.J. *et al.*, *Can. J. Chem.*, 1982, **60**, 547, (*synth*, *uv*, *pmr*)