

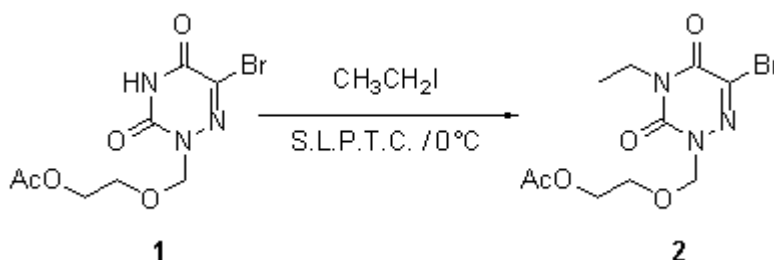
1-[(2-Acetoxyethoxy)methyl]-3-ethyl-5-bromo-6-azauracil

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Received: 23 February 2000 / Accepted: 28 February 2000 / Published: 28 April 2000



The product **2** was prepared via a direct condensation under solid-liquid phase transfer catalysis (S.L.P.T.C.) [1] conditions. To a solution of 0.02 mmole of tetraglyme in 4 ml of anhydrous THF, 0.11 mmole of potassium tert-butoxide is added. Then 0.1 mmole of the acyclonucleoside **1** [2] is added, the reaction mixture is stirred at room temperature for 15 min. The reaction mixture is cooled to 0°C and 0.11 mmole of alkylating agent in 2 ml of dry THF is added dropwise with stirring. When the addition is finished, the reaction mixture is stirred at 0°C for 30 min. The reaction mixture is then filtered and the filtrate is evaporated in vacuo to dryness. The residue is then chromatographed on a silica gel column and the expected acyclonucleoside **2** was isolated. Yield: 70 % (viscous and colourless).

Rf: 0.63 (CHCl₃ / MeOH, 9/1, V/V).

¹H NMR (DMSO-d₆): 1.20 (t, 3H, CH₃CH₂); 2.00 (s, 3H, COOCH₃); 3.70 (m, 2H, OCH₂CH₂O); 3.90 (q, 2H, CH₃CH₂); 4.10 (m, 2H, OCH₂CH₂O); 5.25 (s, 2H, OCH₂N).

UV (1 max (nm), H₂O): 288.

MS (m/z): 335 [M (⁷⁹Br)]⁺, 337 [M (⁸¹Br)]⁺

Anal. calc. for $C_{10}H_{14}BrN_3O_5$: C 35.73, H 4.19, N 12.50; Found: C 35.74, H 4.20, N 12.46.

References

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Acknowledgement: This work was supported by the C.N.R. (Marocco), the Deutsche Forschungsgemeinschaft and the University of Konstanz (Germany).

Sample Availability: Available from the authors.

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