Electronic Supporting Information

The synthesis and structural characterization of both diastereomers of 5’-(hydroxymethyl)-6,5’-cyclo-2’,5’-dideoxyuridine cyclonucleosides

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1) Crystal structures of 1S, 3R, 3S, and 5S

Figure S1. Side and top view of 1S (ball and stick) overlaid with a) a dT₁ nucleotide; and b) a U² nucleotide. Figures generated using PyMol.

Figure S2. Side and top view of 3S (ball and stick) overlaid with a) a dT₁ nucleotide; and b) a U² nucleotide. Figures generated using PyMol.
$^1$H NMR of compound 8 (400 MHz, CDCl$_3$)
$^{13}$C NMR of compound 8 (100 MHz, CDCl$_3$)
$^1$H NMR of compound 9 (400 MHz, CDCl$_3$)
$^{13}$C NMR of compound 9 (100 MHz, CDCl$_3$)
$^1$H NMR of compound 10 (400 MHz, CDCl$_3$)
$^{13}$C NMR of compound 10 (100 MHz, CDCl$_3$)
$^1$H NMR of compound 11R (400 MHz, CDCl$_3$)
\(^{13}\)C NMR of compound 11R (100 MHz, CDCl\(_3\))
$^1$H NMR of compound 11S (400 MHz, CDCl$_3$)
$^{13}$C NMR of compound 11S (100 MHz, CDCl$_3$)
$^1$H NMR of compound 3R (400 MHz, $d_6$-DMSO)
$^{13}$C NMR of compound 3R (100 MHz, $d_6$-DMSO)
$^1$H NMR of compound 3S (500 MHz, $d_6$-DMSO)
$^{13}$C NMR of compound 3S (100 MHz, $d_6$-DMSO)
$^1$H NMR of compound 12R (400 MHz, $d_6$-DMSO)
$^{13}$C NMR of compound 12R (100 MHz, $d_6$-DMSO)
$^{31}$P NMR of compound 13R (200 MHz, CDCl$_3$)