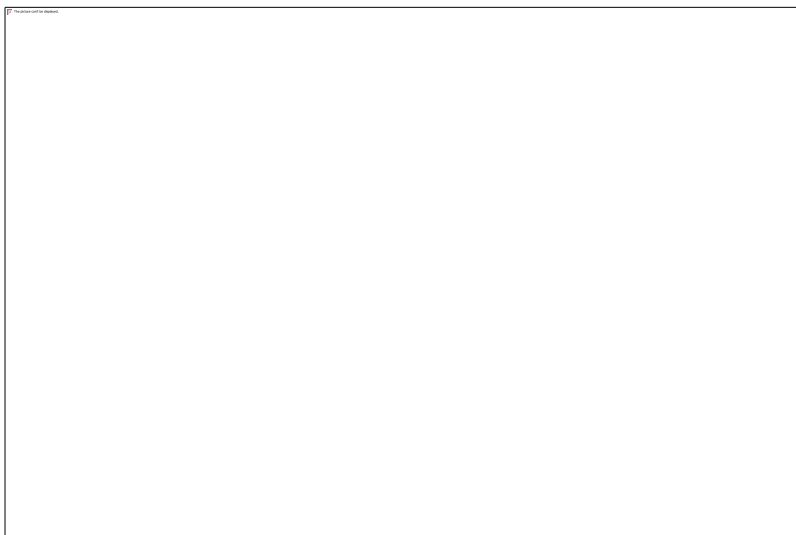






## 4DA3

Sequence (5' to 3')	$\epsilon_{260nm}$ ( $M^{-1}cm^{-1}$ )	DOI
GGGTTAGGGTTAGGGTTAGGG	215000	10.1021/jm301899y



### Legend

  strand direction  
(5' to 3')

  nucleotide number  
(5' to 3')

 5' end

 loop

 syn

 anti

 adenine

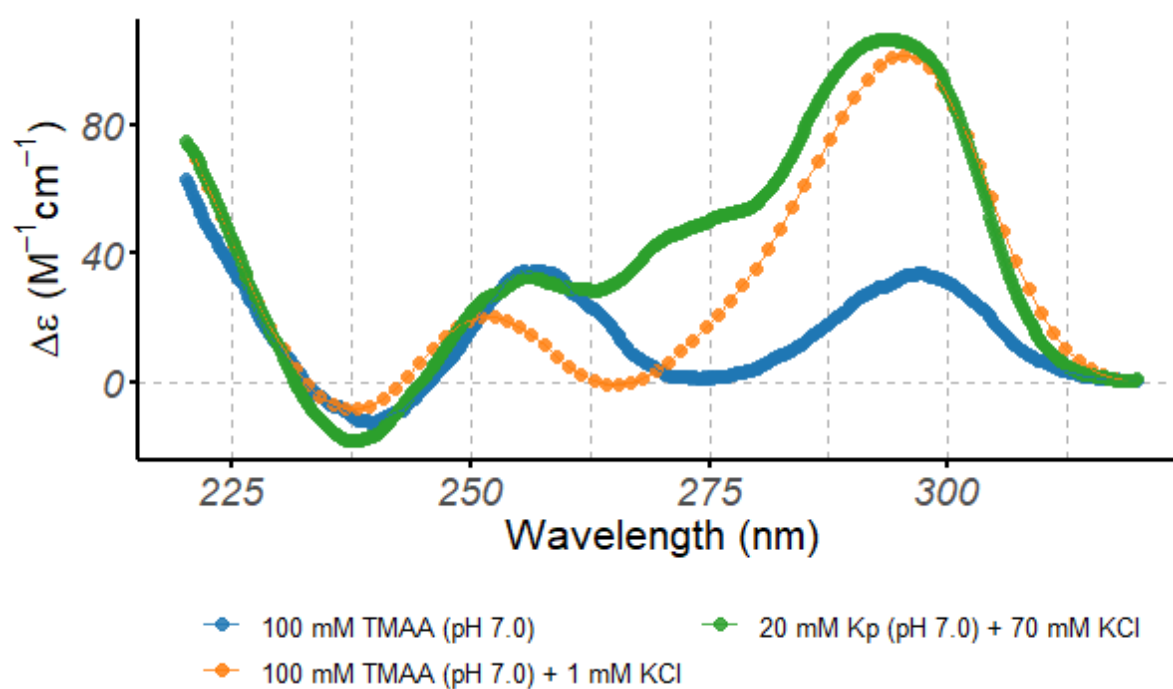
 cytosine

 G-quartet guanine

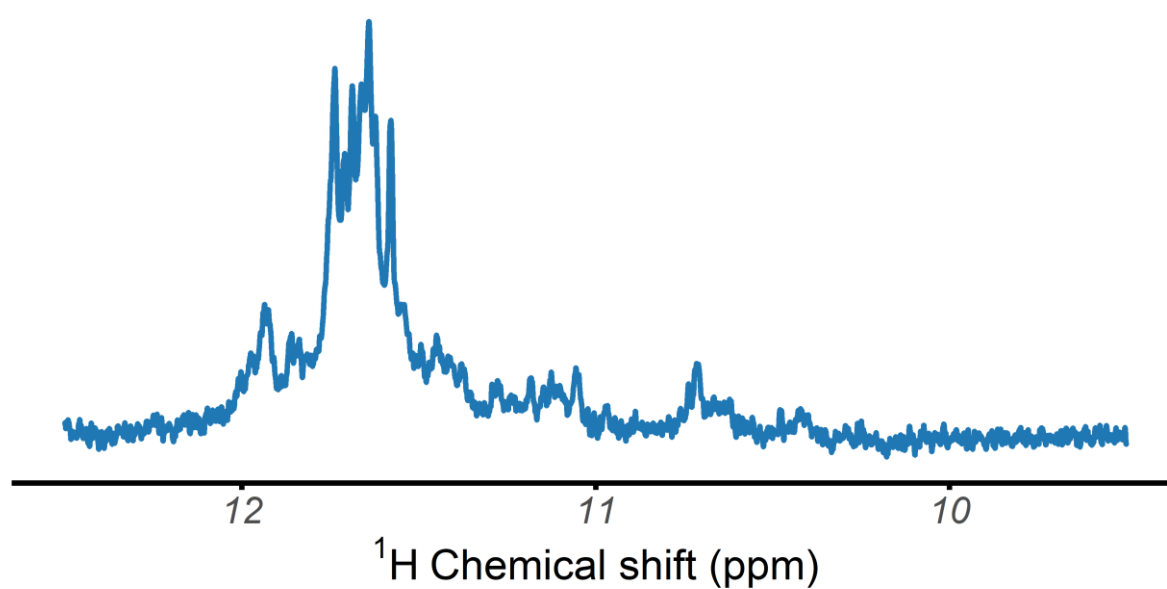
 not-G-quartet guanine

 thymine

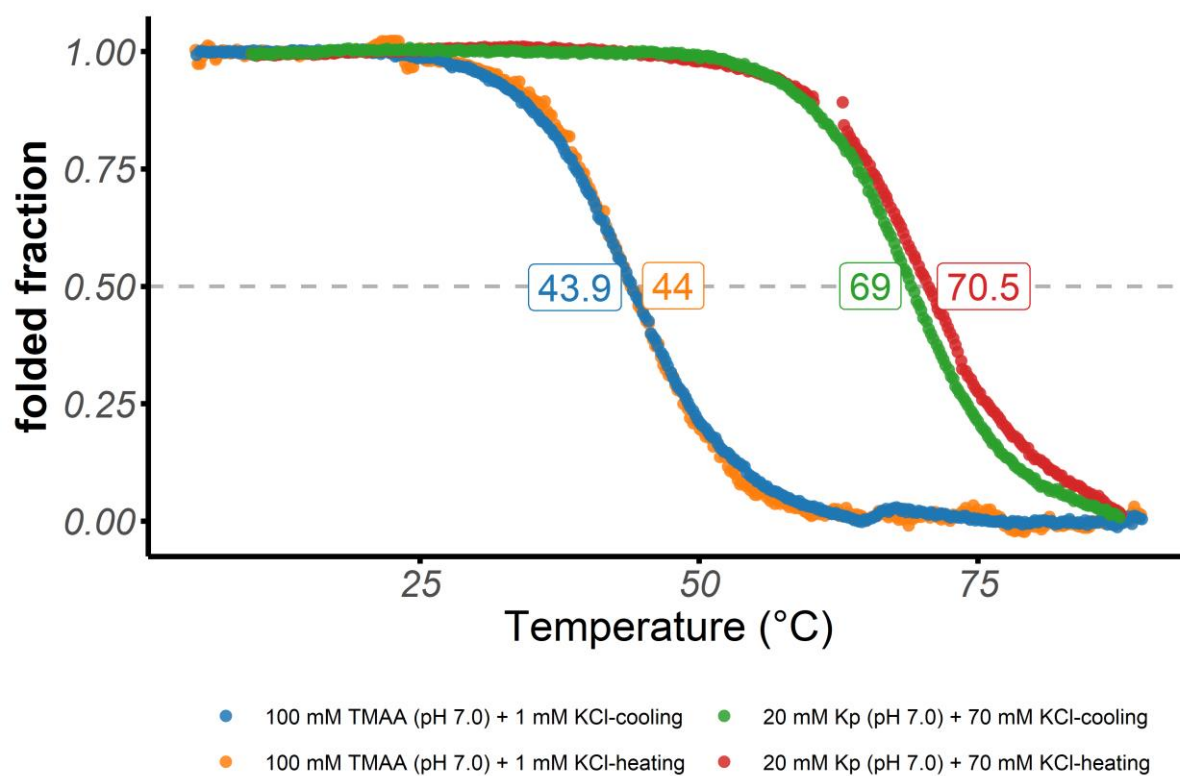
*Structure diagram of 4DA3*



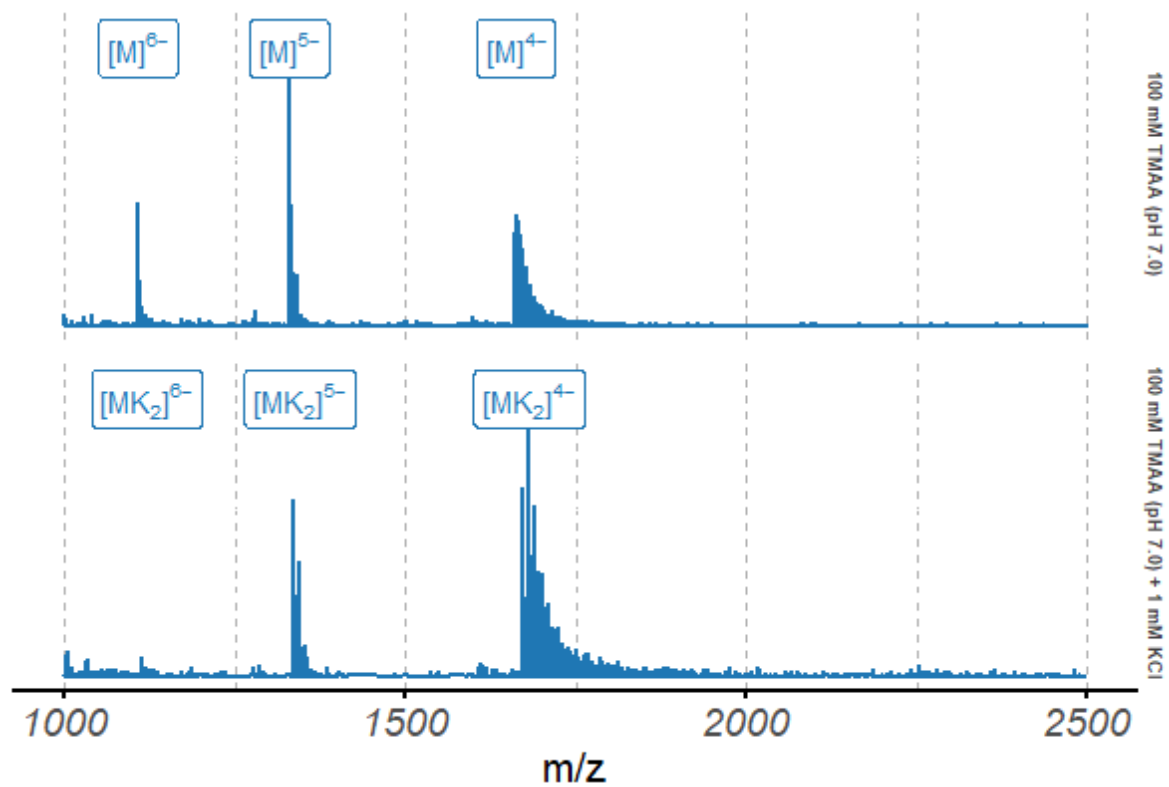
*Circular dichroism spectra of the 4DA3 oligonucleotide (10  $\mu\text{M}$ ), acquired at 25°C in 0.4-cm path-length cuvettes*



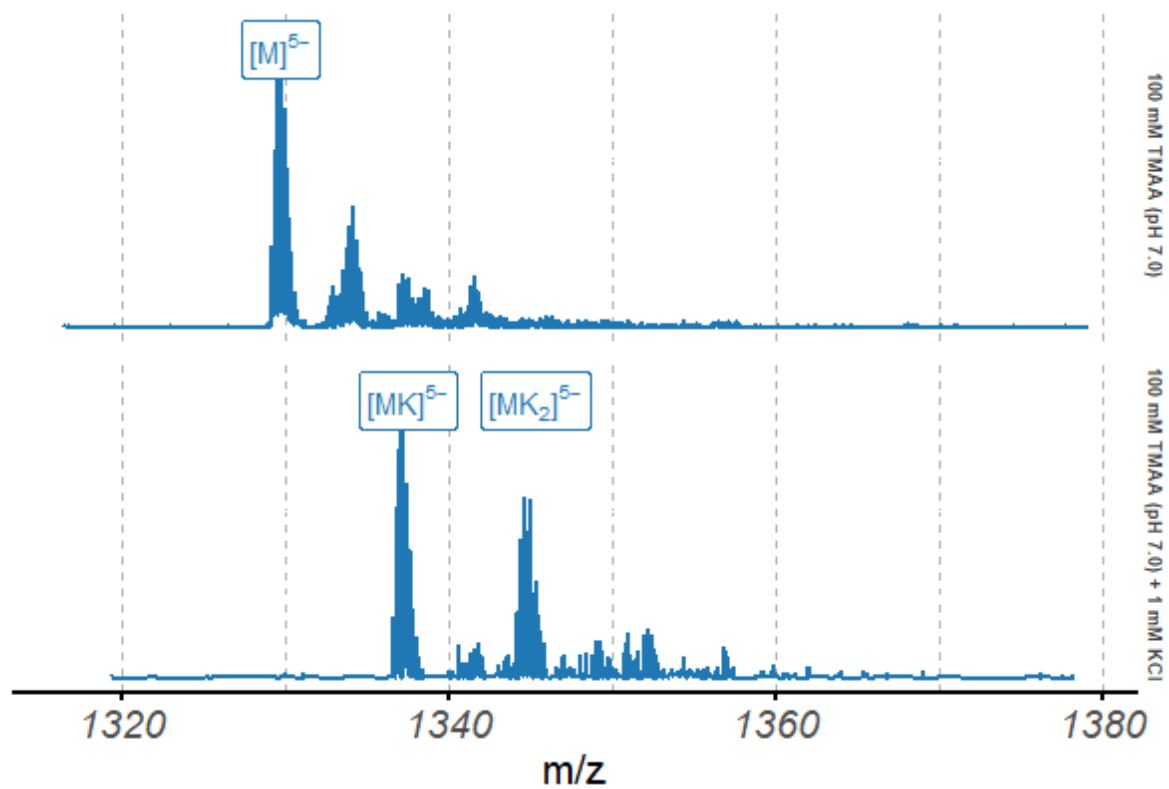
*$^1\text{H}$ -NMR spectrum of the 4DA3 oligonucleotide, acquired at 25°C in 100 mM TMAA (pH 7.0) + 1 mM KCl*



*Folded fraction of the 4DA3 oligonucleotide as a function of temperature, determined by UV-melting ( $\lambda = 295$  nm)*



Native ESI-MS spectra of the 4DA3 oligonucleotide (10  $\mu$ M)



Native ESI-MS spectra of the 4DA3 oligonucleotide (10  $\mu$ M), focused on the  $5^-$  charge state