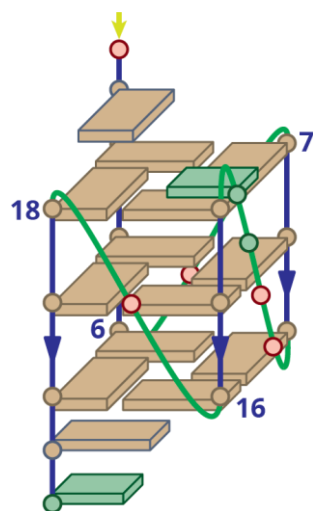


## 2M27

Sequence (5' to 3')	$\epsilon_{260nm}$ ( $M^{-1}cm^{-1}$ )	DOI
CGGGGCGGGCCTTGGGCGGGGT	200400	10.1093/nar/gkt784



### Legend

↑ ↓ strand direction  
(5' to 3')

1 2 nucleotide number  
(5' to 3')

↓ 5' end

loop

syn

anti

ligand

● adenine

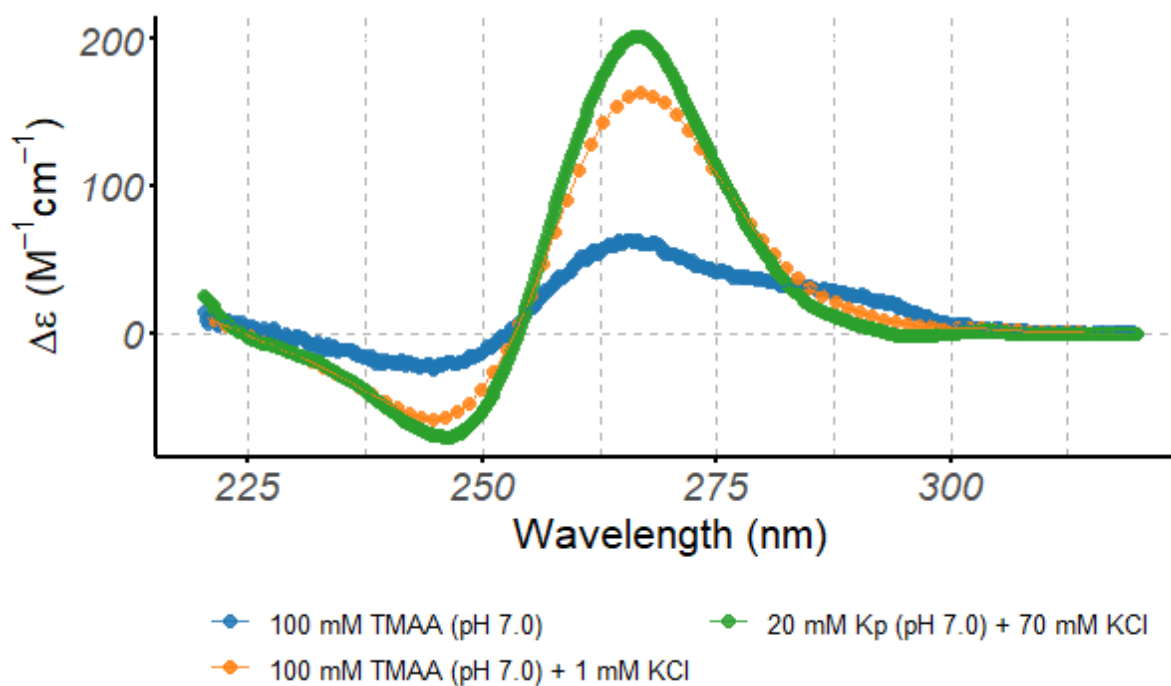
● cytosine

● G-quartet guanine

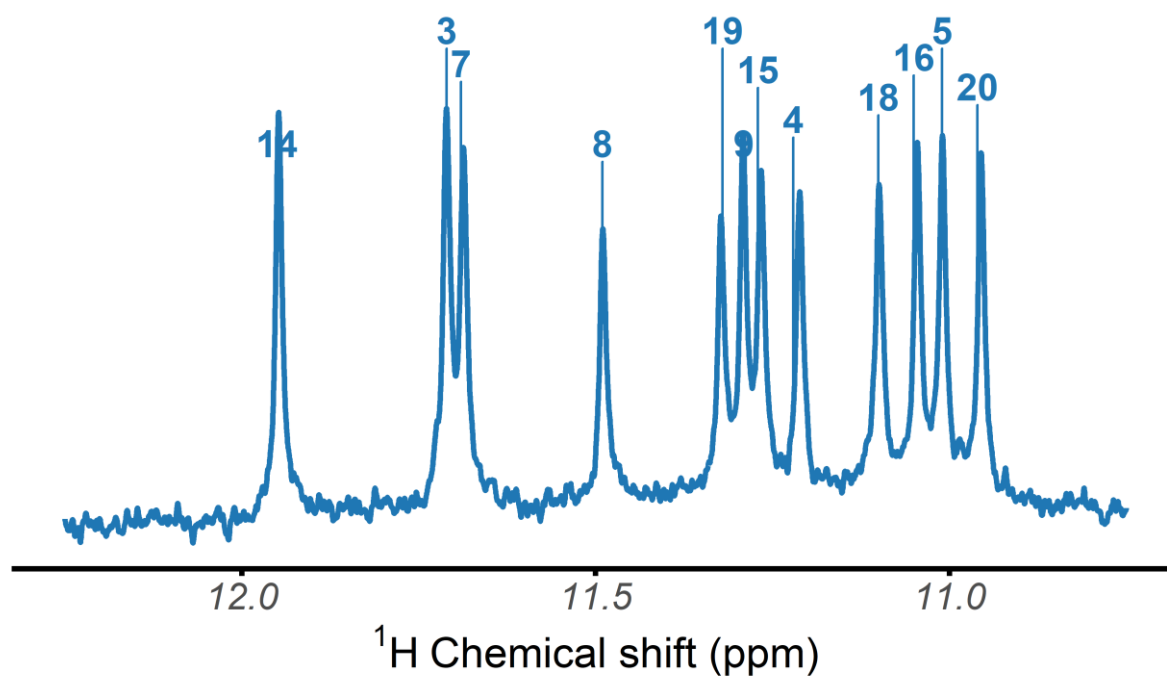
● not-G-quartet guanine

● thymine

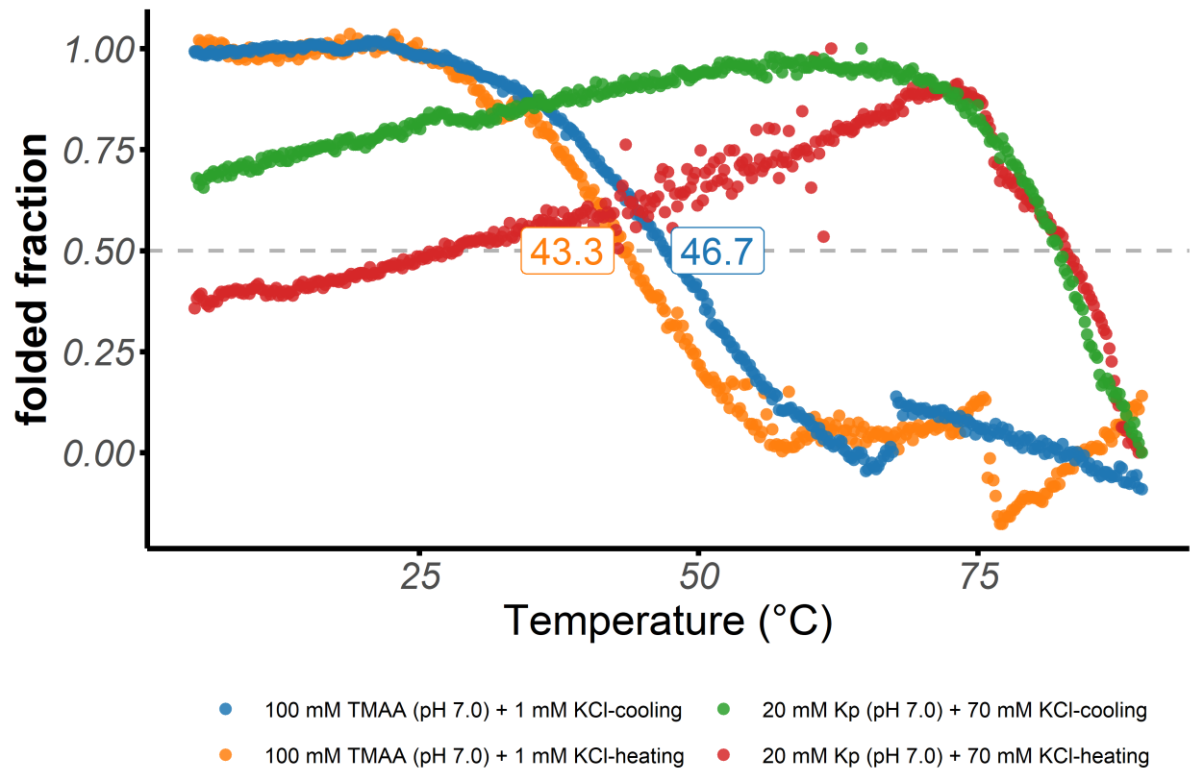
Structure diagram of 2M27



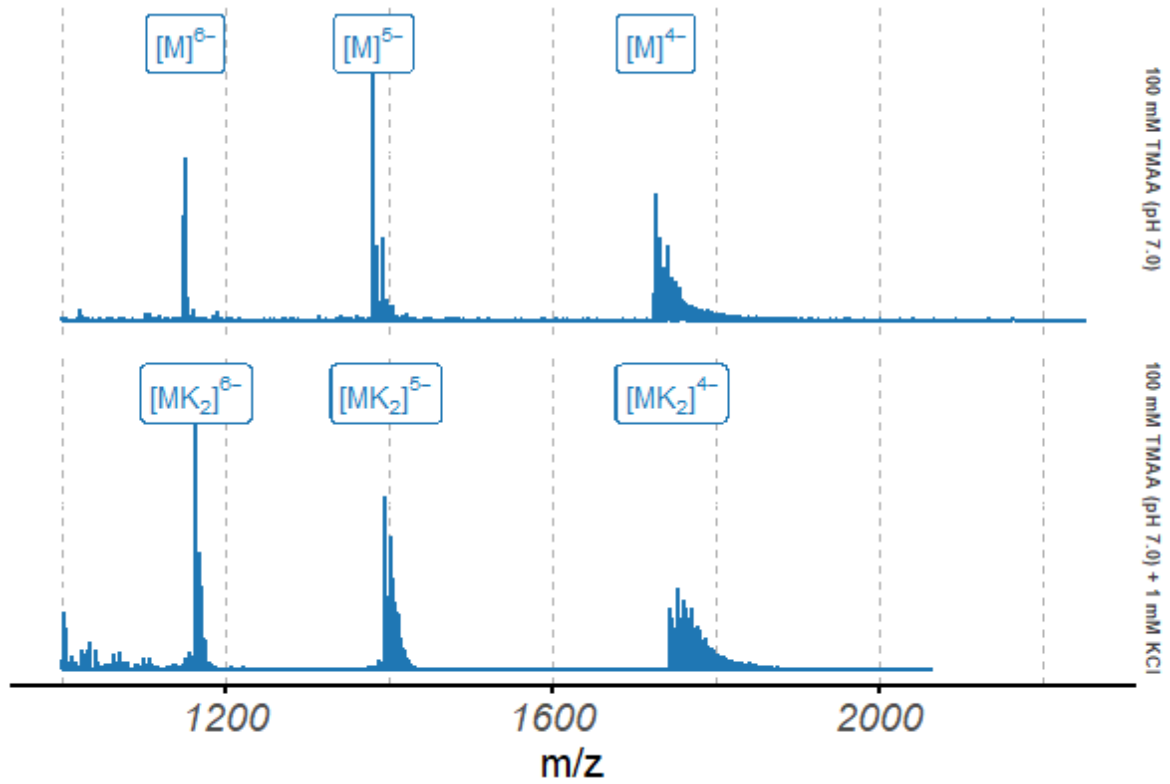
Circular dichroism spectra of the 2M27 oligonucleotide (10  $\mu\text{M}$ ), acquired at 25°C in 0.4-cm path-length cuvettes



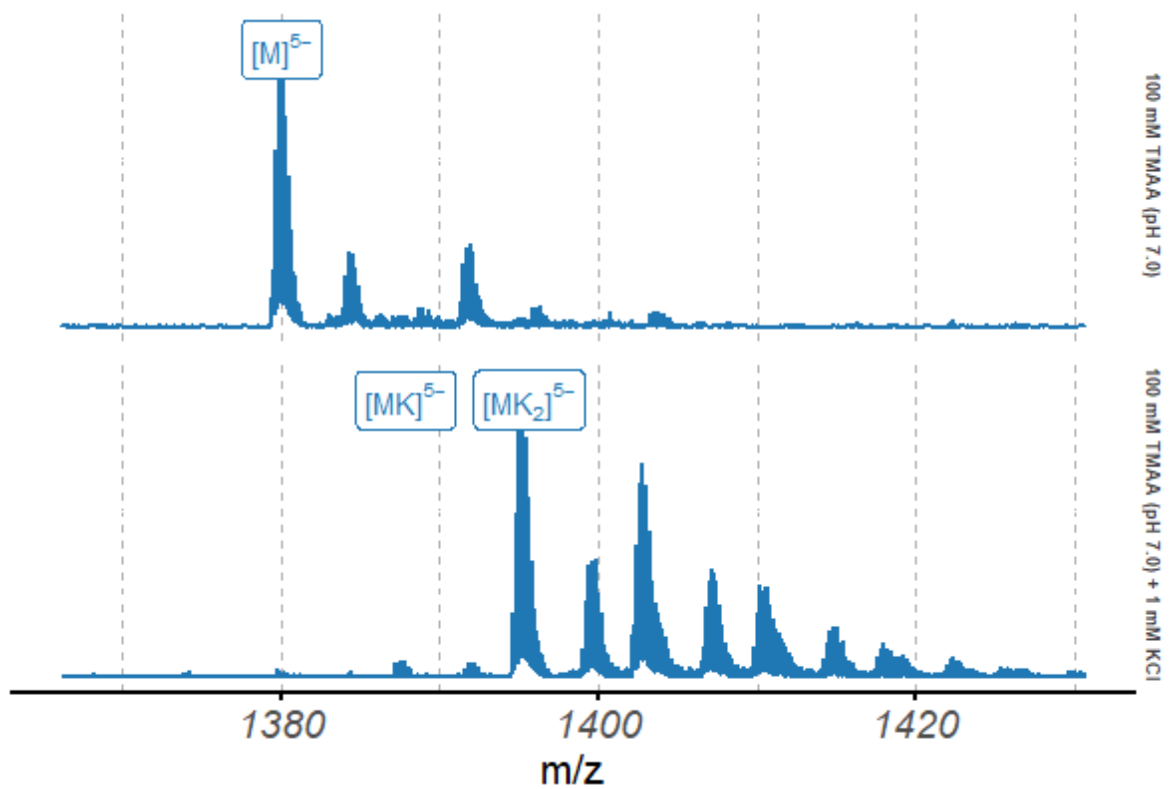
<sup>1</sup>H-NMR spectrum of the 2M27 oligonucleotide, acquired at 25°C in 100 mM TMAA (pH 7.0) + 1 mM KCl



*Folded fraction of the 2M27 oligonucleotide as a function of temperature, determined by UV-melting ( $\lambda = 295 \text{ nm}$ )*



Native ESI-MS spectra of the 2M27 oligonucleotide (10  $\mu$ M)



Native ESI-MS spectra of the 2M27 oligonucleotide (10  $\mu$ M), focused on the  $5^-$  charge state