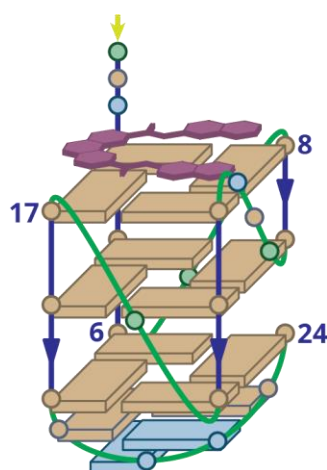


## 2MGN

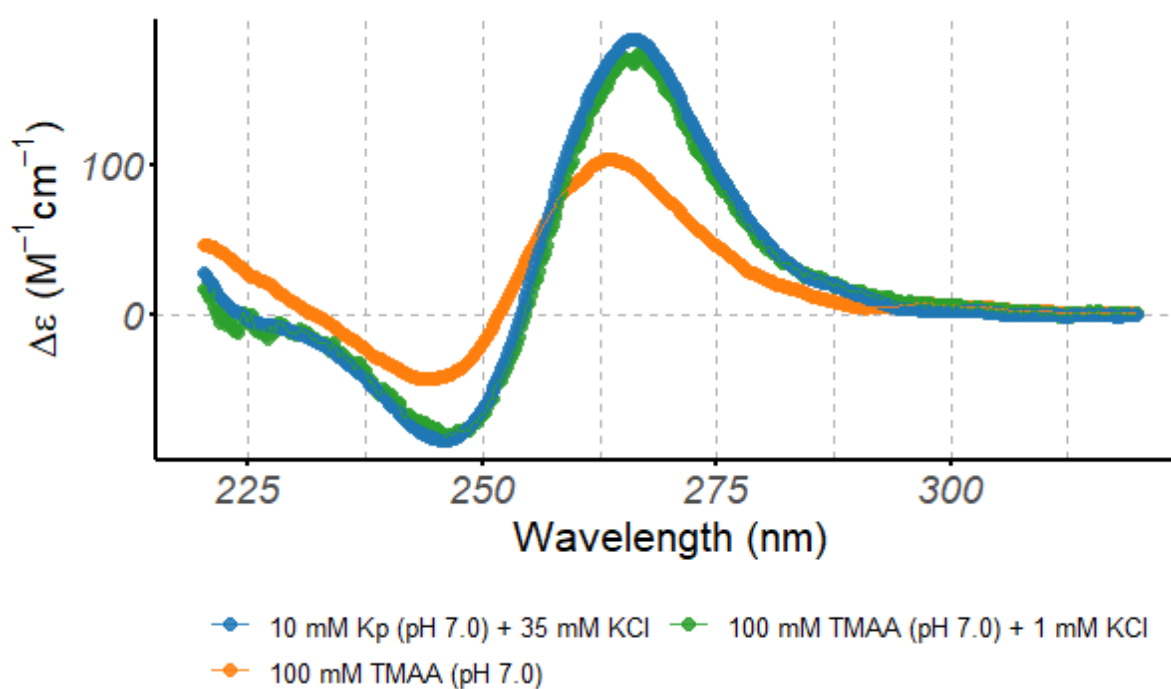
Sequence (5' to 3')	$\epsilon_{260nm}$ ( $M^{-1}cm^{-1}$ )	DOI
TGAGGGTG GTGAGGGTGGGGAAGG	248200	10.1002/anie.201308063



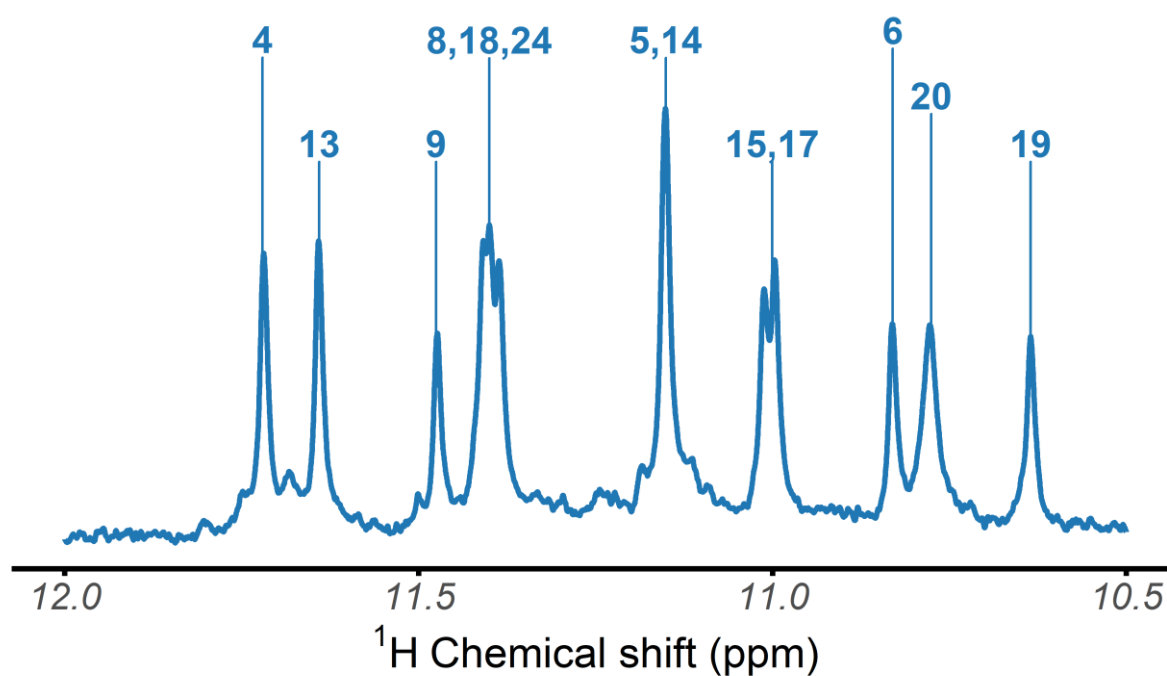
### Legend

- strand direction (5' to 3')
- nucleotide number (5' to 3')
- 5' end
- loop
- syn
- anti
- ligand
- adenine
- cytosine
- G-quartet guanine
- not-G-quartet guanine
- thymine

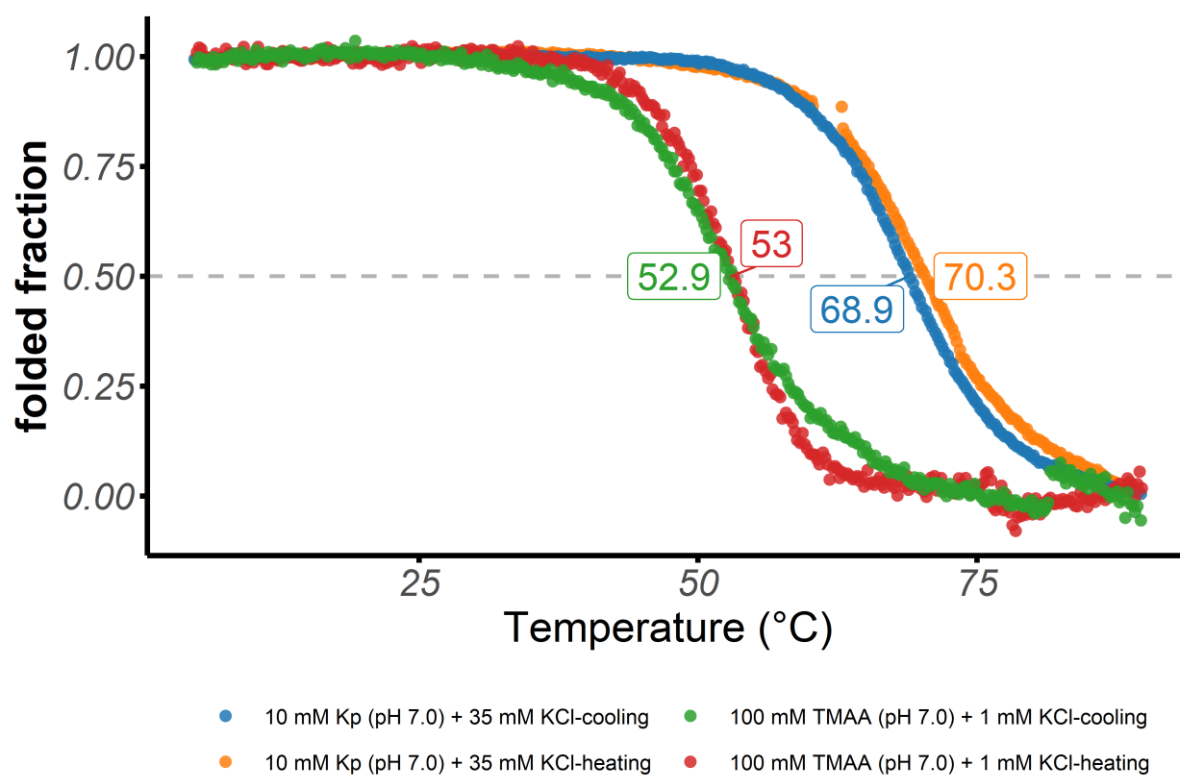
Structure diagram of 2MGN



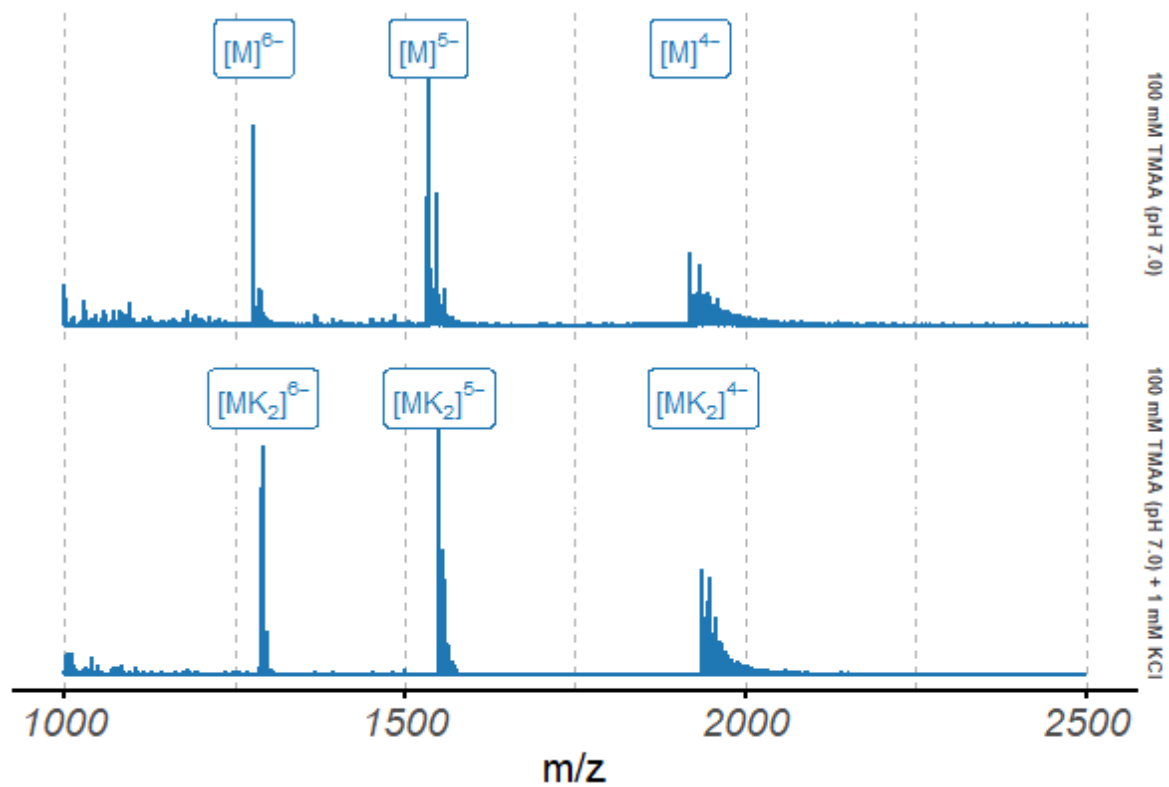
Circular dichroism spectra of the 2MGN oligonucleotide (10  $\mu\text{M}$ ), acquired at 25°C in 0.4-cm path-length cuvettes



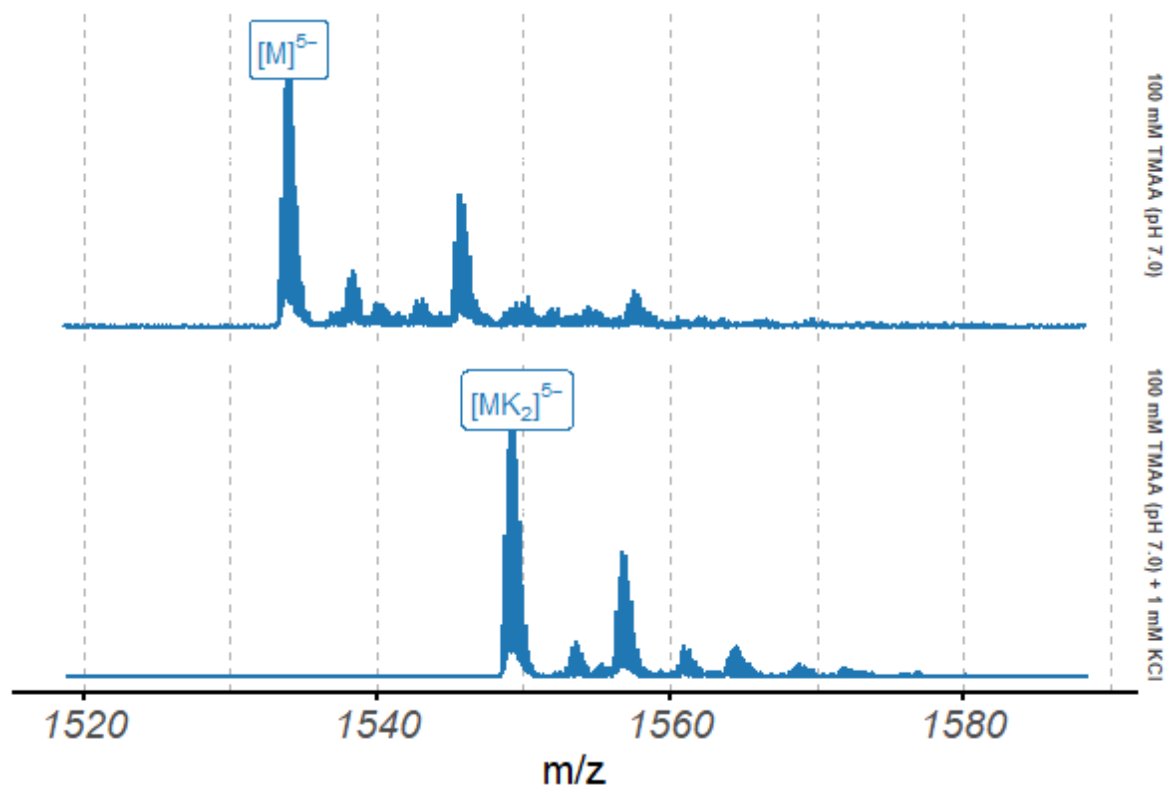
$^1\text{H}$ -NMR spectrum of the 2MGN oligonucleotide, acquired at 25°C in 100 mM TMAA (pH 7.0) + 1 mM KCl



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



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



Native ESI-MS spectra of the 2MGN oligonucleotide (10  $\mu$ M), focused on the 5<sup>-</sup> charge state