

CLAIMS

1. A conjugate comprising a peptide, wherein said peptide comprises or consists of (i) the amino acid sequence of SEQ ID NO:1 or (ii) an amino acid sequence having at least 80% sequence identity to the amino acid sequence of SEQ ID NO:1 over its entire length and further comprises at least one functional moiety, wherein said at least one functional moiety is conjugated to the N-terminus of said peptide with the proviso that said at least one functional moiety does not comprise the amino acid sequence set forth in SEQ ID NO:2 or a C-terminal fragment thereof.

2. The conjugate according to claim 1, with the proviso that said at least one functional moiety does not comprise the amino acid sequence set forth in SEQ ID NO:3 or an N-terminal fragment thereof.

3. The conjugate according to claim 1, wherein the functional moiety is a tag.

4. The conjugate according to claim 1, wherein the functional moiety is a pharmaceutically active compound.

5. A method for the detection of parallel-stranded G-quadruplexes in a sample wherein said method comprises:

contacting a sample suspected to contain a parallel-stranded G-quadruplex with the conjugate of claim 1;
and

detecting the presence or absence of the parallel-stranded G-quadruplex in said sample.