

Fig. 1: Solution structure of d(GCGAAGC) hairpin refined using an extensive set of residual dipolar couplings obtained on a $^{13}\text{C}/^{15}\text{N}$ labeled sample in an oriented medium. (Structure and data of Fig. 2 were kindly provided by Prof. Sklenar, Masaryk University)

Oligo-Synthesis @ Silantes GmbH

Silantes offers oligonucleotid synthesis of RNA and DNA labeled with the stable isotopes ^2H , ^{13}C , ^{15}N .

Prices for Oligo-Synthesis

Silantes calculates the costs of an oligo-synthesis for each case individually. Many parameters, such as type of isotopes required, length and amount of the oligo, the sequence and ease of purification influence the price.

For this reason, we want to ask you to send your specific request to us - we will send you a quotation promptly.

Example of a project performed by Silantes

Synthesis of an E. coli promotor sequence 23-mer:

Sequence: d(GGGACACGGCGAATAGCCATCCC)

Labeling: ^{13}C und ^{15}N (>98%)

Purity: > 90%

Amount: 1mg

Our price for the production of the above shown 23-mer oligonucleotide was 2,380 Euro.

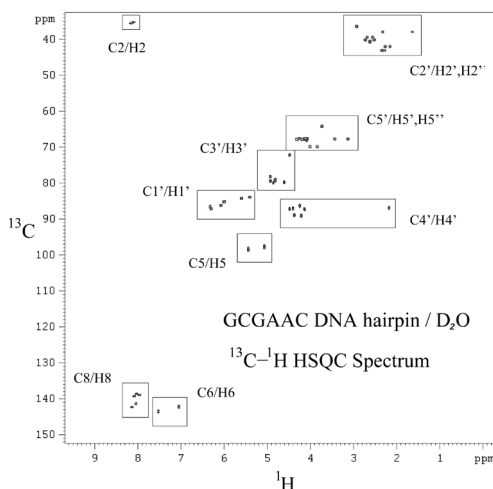


Fig. 2: 2D HSQC spectrum of d(GCGAAGC) hairpin in the postscript format. Here is a short description: Two dimensional ^{13}C - ^1H HSQC spectrum of 1mM GCGAAGC DNA hairpin in D_2O . 1024 x 800 points were acquired in 1 hr 20 min (4 scans per point) at 30 deg. C. ^{13}C and ^1H decoupling was applied in t_2 and t_1 , respectively.

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