

Nucleoside/Nucleotide Chemistry

Expertise of the month: Nucleoside/Nucleotide Chemistry

Nucleoside and nucleotide analogues play a major role in medicinal chemistry for the development of anticancer and antiviral diseases. At SpiroChem, we have a pool of experts mastering nucleoside/nucleotide chemistry.

Innovative chemistry strategies are developed to prepare nucleoside analogues modified on the nitrogenous base, or/and sugar or/and phosphate moities to provide compounds with increased response rates and reduced side effects.

$$Z = OPO_3^-, \\ OP_3O_9^{3-}, \\ ODMTr \\ OR, OH \\ Z = NH_2, N_3, P(OR')NR''_2$$

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$$Y = NH_2, N_3, P(OR')NR''_2$$

$$OH, OR'''$$

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SpiroChem's chemists are also highly skilled in the design and preparation of:

- Cyclic nucleotides
- polynucleotides
- Nucleolipids
- Sugar nucleotides

Discover More

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