

SILANTES ribo-PHOSPHORAMIDITES are now available partially labeled with ^2H , ^{13}C or ^{15}N or combinations

STABLE ISOTOPE LABELED PHOSPHORAMIDITES

Structural studies on large DNA and RNA molecules by nuclear magnetic resonance (NMR) requires labeling of these molecules with stable isotopes. Silantes offers a wide range of stable isotope labeled deoxy- phosphoramidites for the synthesis of oligonucleotides

SILANTES TECHNOLOGY

Silantes partial labeled phosphoramidites are chemically synthesized.

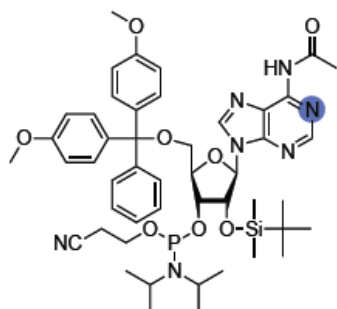
ISOTOPE ENRICHMENT

Silantes phosphoramidites can be supplied at the moment in 10 combination of ^2H , ^{13}C and ^{15}N . The isotopic purity for all isotopes is >98%. Please see backside!!!

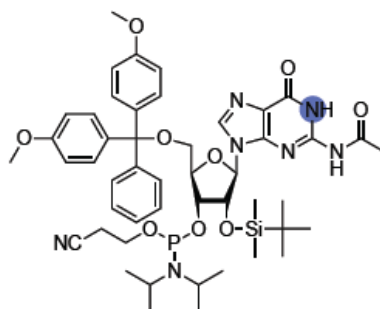
Example for phosphoramidites see next page:

Currently available SI labeled RNA Amidites Update Feb 2018

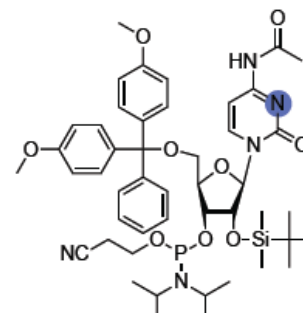
● = ^{15}N ● = ^{13}C



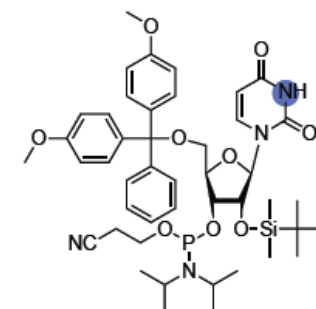
ProductNr.:127313601
 $^{15}\text{N}^1$ -Adenosine
Amidite



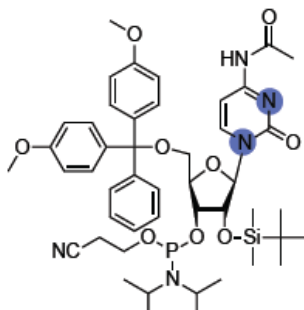
ProductNr.:127313603
 $^{15}\text{N}^1$ -Guanosine
Amidite



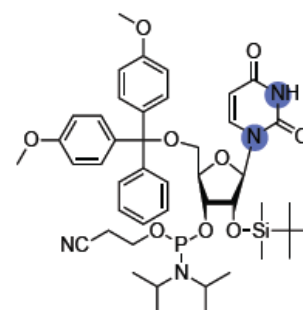
ProductNr.:127313602
 $^{15}\text{N}^3$ -Cytidine
Amidite



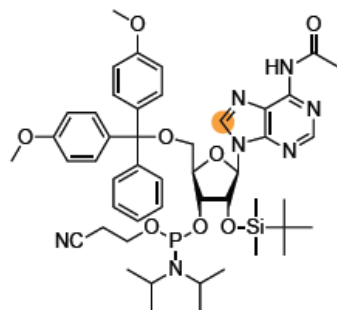
ProductNr.:127313604
 $^{15}\text{N}^3$ -Uridine
Amidite



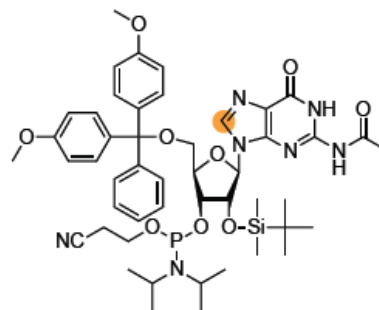
ProductNr.:127323602
 $^{15}\text{N}_2$ -Cytidine
Amidite



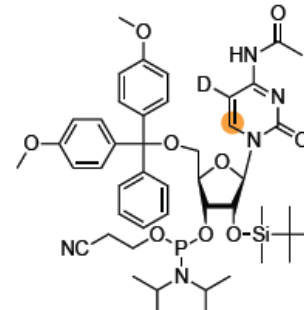
ProductNr.:127323604
 $^{15}\text{N}_2$ -Uridine
Amidite



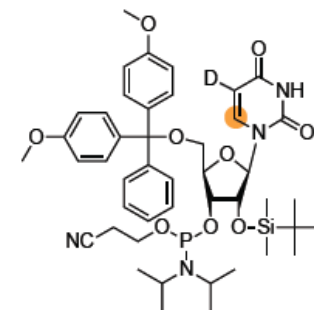
ProductNr.:127213601
 $^{13}\text{C}^8$ -Adenosine
Amidite



ProductNr.:127213603
 $^{13}\text{C}^8$ -Guanosine
Amidite



ProductNr.:127413602
 $^{13}\text{C}^6$ - $^2\text{H}^5$ -Cytidine
Amidite



ProductNr.:127213601
 $^{13}\text{C}^6$ - $^2\text{H}^5$ -Uridine
Amidite