

Conformationally restricted 2',4'-bridged nucleoside analogues are described herein. The compounds can be prepared by cyclization at C2' and C4' of nucleosides through a linker or linking molecule. These novel nucleosides have a desired, locked sugar pucker and are potentially useful as pharmaceutical ingredients. Oligonucleotides composed of these novel nucleosides are useful for oligonucleotide therapeutic and diagnostic compounds.