

ABSTRACT

MODIFIED NUCLEOTIDE LINKERS

Some embodiments of the present application relate to novel modified nucleotide linkers for increasing the efficiency of nucleotide incorporation in Sequencing by Synthesis applications. A kit containing a nucleoside or a nucleotide, a reagent for modifying a nucleoside, methods for detecting a nucleoside or a nucleotide that has been incorporated into a polynucleotide, and a method of sequencing a template nucleic acid molecule are also provided herewith.

[Figure 3C]