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(54) **Title:** METHODS FOR TAGGING DNA-ENCODED LIBRARIES

(57) **Abstract:** The present invention relates to oligonucleotide-encoded libraries and methods of tagging such libraries. In particular, the methods and oligonucleotides can include one or more 2'-substituted nucleotides, such as 2'-O-methyl or 2'-fluoro nucleotides, and other conditions or reagents to enhance enzyme ligation or one or more chemical functionalities to support chemical ligation.

