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Improved Protocol for the Synthesis of Flexibly Protected Morpholino Monomers from Unprotected Ribonucleosides. — The synthesis of protected morpholine monomers such as (VII) and (IX) from unprotected ribonucleosides (I) is achieved by using oxidative glycol cleavage and reductive amination. Unlike previously used methods, this strategy enables the installation of exocyclic amine protections at a later stage, thus avoiding the use of exocyclic amine-protected ribonucleosides as starting materials. The present approach provides absolute control over protecting group manipulation, and several new protecting groups with different deblocking properties are introduced. The low number of purification steps makes this protocol cost effective and operationally simple. — (PATTANAYAK, S.; PAUL, S.; NANDI, B.; SINHA*, S.; Nucleosides, Nucleotides Nucleic Acids 31 (2012) 11, 763-782, http://dx.doi.org/10.1080/15257770.2012.724491 ; Dep. Org. Chem., Indian Assoc. Cultiv. Sci., Kolkata 700 032, India; Eng.) — H. Hoennerscheid