Oligonucleotide APIs

Innovative Manufacturing Technology

Low Purification Loss

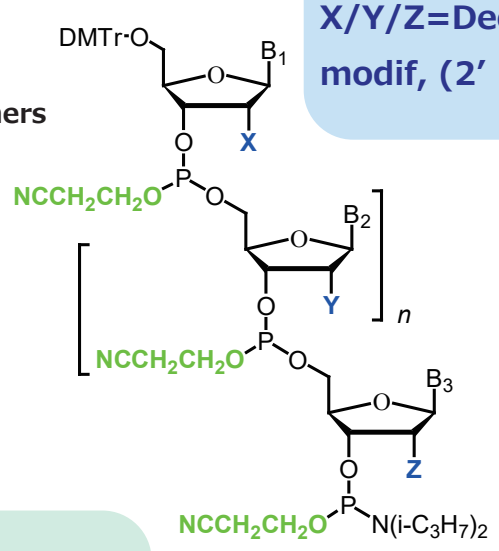
High Stability

Flexible Design

Benefit of Blockmer™

- Reduced shortmer impurities
- Shortened process and save solvents
- Easy handling as same as existing monomers
- Difficult steps (ex. GGGG) can be skipped
- Chiral S-oligos can be obtained

Used with Various Nucletides
X/Y/Z=Deoxy, Ribo(2' -O-TBS), modif, (2' -F, Ome, LNA, etc.)

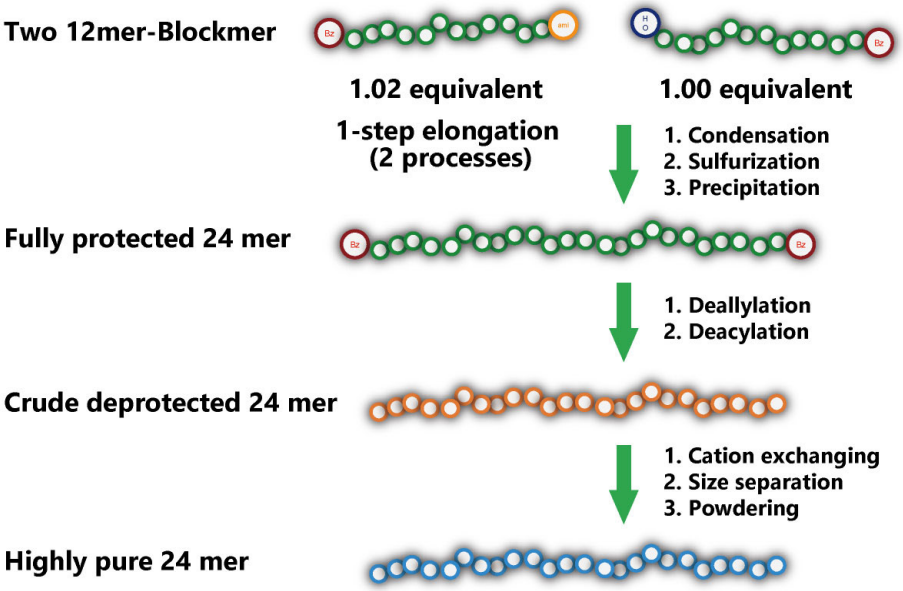


NATiAS

Protecting Groups
= Cyanoethyl, Allyl, Prolinol, etc.

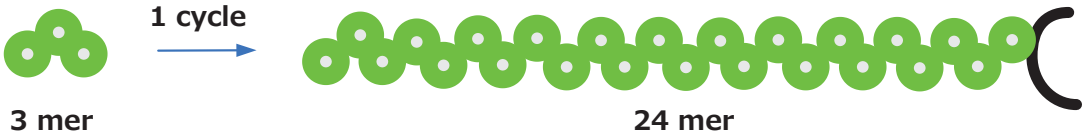
Liquid Phase Synthesis

Blockmer™ Manufacturer to Shorten Oligonucleotide Synthesis

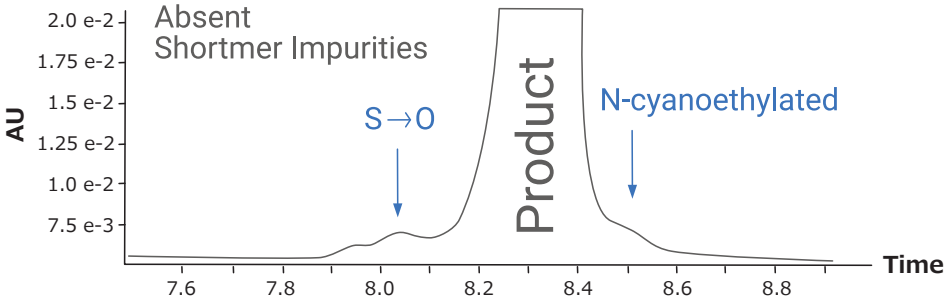


Solid Phase Synthesis

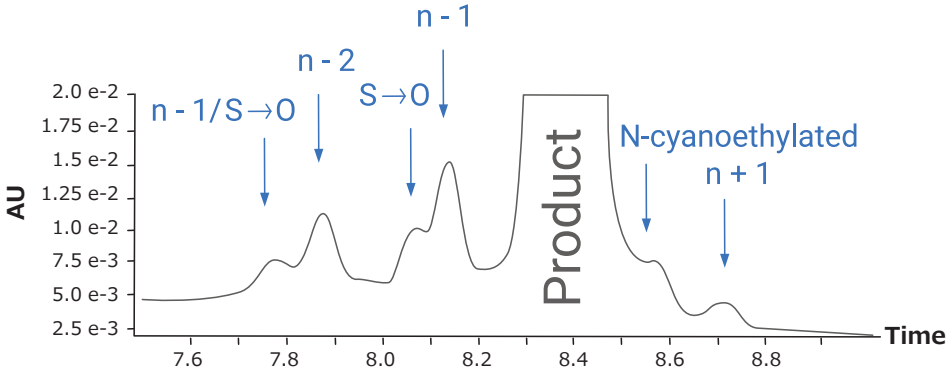
Synthesis with Blockmer™ at the 5′ end yields higher quality Oligos.



Using trimer Blockmer™ (24 mer, full thiolated)



Using CE-monomers (24 mer, full thiolated)



Nagase & Co., Ltd.
Life & Healthcare Products Department
2-6-4 Otemachi Chiyoda-ku Tokyo 100-8142 JAPAN
nagase-pharma-medical@nagase.co.jp