



Product Specifications

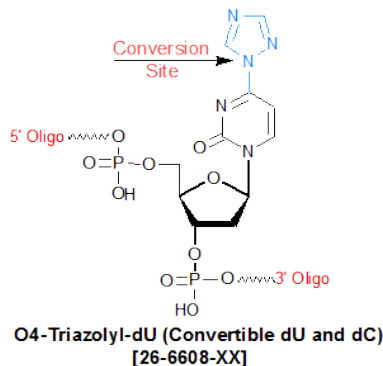
Custom Oligo Synthesis, antisense oligos, RNA oligos, chimeric oligos, Fluorescent dyes, Affinity Ligands, Spacers & Linkers, Duplex Stabilizers, Minor bases, labeled oligos, Molecular Beacons, siRNA, phosphonates Locked Nucleic Acids (LNA); 2'-5' linked Oligos

Oligo Modifications

For research use only. Not for use in diagnostic procedures for clinical purposes.

Convertible dU & dC

Category	Convertible Bases
Modification Code	O4-Tri-dU
Reference Catalog Number	26-6608
5 Prime	Y
3 Prime	Y
Internal	Y
Molecular Weight(mw)	289.18



Gene Link supplies Convertible modified oligos protected with oligo bound to CPG solid support or can conjugate the convertible site to user specified ligand. Convertible dU & dC (O4 Triazolyl dU) monomer

can be used to introduce a variety of modifications at the convertible position, including N, O and S modifications.

The triazolyl pyrimidine convertible nucleosides allow oligonucleotides to be produced containing: 4-thio derivatives for cross linking reactions; 4-amino derivatives for DNA structural research; O4-alkyl derivatives for carcinogenesis studies; and offer the potential for the introduction of ¹³C, ¹⁵N and ¹⁷O labels for NMR experiments.

See examples below of Convertible dU & dC (O4 Triazolyl dU) to various amino derivatives.

See this link for Glen Research Technical Report (pdf) for Convertible bases. Convertible Bases.

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References

1. A.M. MacMillan and G.L. Verdine, Tetrahedron, 1991, 14, 2603-2616.
2. Y.Z. Xu, Q. Zheng, and P.F. Swann, J. Org. Chem., 1992, 57, 3841.