



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.

N-POM Caged-dT

Category	Structural Studies
Modification Code	N-POM-Cg-dT
Reference Catalog Number	26-6563
5 Prime	Y
3 Prime	Y
Internal	Y
Molecular Weight(mw)	527.38

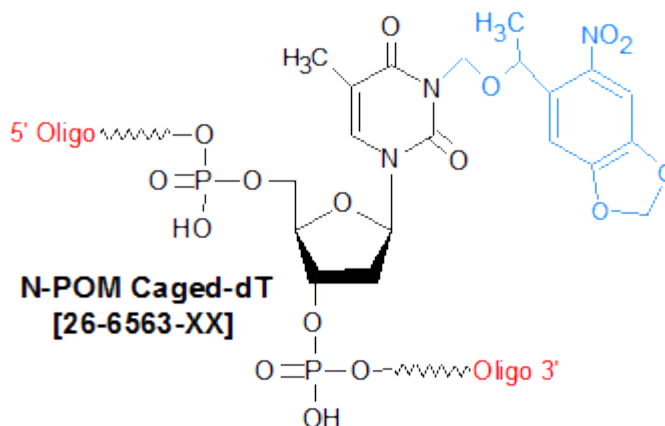


Photo Activation Modification

N-POM Caged-dT can be used in the synthesis of caged oligonucleotides whose function is restored after uncaging by UV light at a wavelength that causes no DNA damage. The NPOM-Caged-dT, where the nucleobase is caged with the photolabile group, 6-nitropiperonyloxymethyl (NPOM), which can be removed using UV light at 365nm. Oligonucleotides containing NPOM-Caged-dT every five or six bases do not hybridize to their complementary strand. Photo-uncaging of the caged oligonucleotide is then easily carried out with UV light at 365 nm for seconds to minutes to restore the activity of the oligonucleotide.