

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

H C

Oligo Modifications

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

N-POM Caged-dT

| Category | Structural Studies | H_3C \downarrow |
|--------------------------|--------------------|--|
| Modification Code | N-POM-Cg-dT | N O |
| Reference Catalog Number | 26-6563 | 5' Oligo \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ |
| 5 Prime | Υ | но |
| 3 Prime | Υ | |
| Internal | Υ | N-POM Caged-dT [26-6563-XX] O |
| Molecular Weight(mw) | 527.38 | 0 = P-0vvvvOligo 3' |
| | | OH |

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.



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