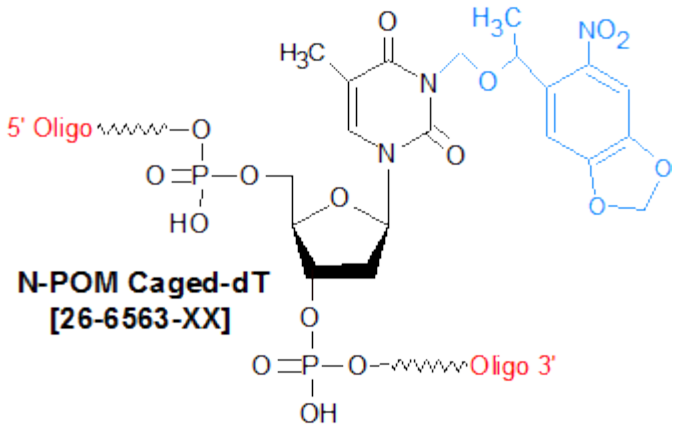
N-POM Caged-dT

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



N-POM Caged-dT
[26-6563-XX]

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.