



## Product Specifications

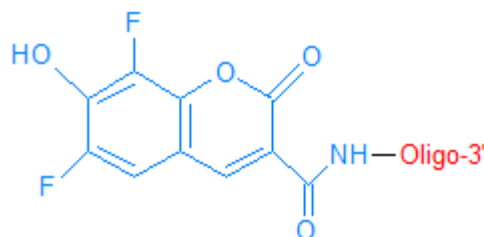
Custom Oligo Synthesis, antisense oligos, RNA oligos, chimeric oligos, Fluorescent dyes, Affinity Ligands, Spacers & Linkers, Duplex Stabilizers, Minor bases, labeled oligos, Molecular Beacons, siRNA, phosphonates Locked Nucleic Acids (LNA); 2'-5' linked Oligos

## Oligo Modifications

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

### PBlue-455 NHS

Category	Fluorescent Dyes
Modification Code	PBlue-455
Reference Catalog Number	26-6524
5 Prime	Y
3 Prime	Y
Internal	Y
Molecular Weight(mw)	339.21



PBlue-455 NHS Oligo  
[26-6524-XX]

PBlue-455 fluorescent dye modification is a post synthesis conjugation to a primary amino group. The amino group can be placed at the 5' and 3' and for internal positions an amino modified base is used, e.g Amino dT C6

PBlue-455 is a UV-excitable, bright blue fluorescent dye used for labeling oligonucleotides excitable by the 407 nm spectral line of blue diode (violet color) laser. PBlue-455 has an absorbance maximum of 410 nm and an emission maximum of 455 nm. Because UV light can photo damage labeled oligos, and many kinds of cells and tissues autofluoresce under UV light, PBlue-455 can only be used in a limited number of applications. Nevertheless, for such applications as nucleic acid microarrays and in situ hybridization, where a blue fluorescent probe provides a easily distinguishable, contrasting color to the green, yellow, orange and red fluorescence produced by longer-wavelength probes, PBlue-455 can be a good choice.