## 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.

## BHQ-2-dT

| Category | Quenchers |
| :--- | :--- |
| Modification Code | BHQ-2-dT |
| Reference Catalog Number | $26-6653$ |
| 5 Prime | Y |
| 3 Prime | Y |
| Internal | Y |
| Molecular Weight(mw) | 960.93 |



Black Hole Quencher-2 deoxythymidine (BHQ2-dT) is classified as a dark quencher (a non-fluorescent chromophore) nucleotide base, and is typically used to internally label a Fluorescence Resonance Energy Transfer (FRET) DNA oligonucleotide probe with a quencher moiety. Such a labeling strategy is pertinent in cases where the distance between the quencher and fluorophore needs optimization for efficient quenching. Other basic technical information about BHQ-2 is found in the BHQ-2 technical sheet.

## Click here for list of quenchers.

Click here for a list of fluorophores.
Quencher Spectral Data
Quencher
Absorption Max, nm
Quenching Range, nm Dabcyl 453 380-530 BHQ-0 495 430-520 BHQ1 534 480-580 BHQ2 579 550-650 BHQ3 672 620-730 BBQ-650 650 550-750 Click here for complete list of quenchers and details **Black Hole Quencher License Agreement Black Hole Quencher License Agreement. "Black Hole Quencher ${ }^{\circledR}$, BHQ ${ }^{\circledR}$, CAL Fluor ${ }^{\circledR}$ and Quasar ${ }^{\circledR}$ are registered trademarks of Biosearch Technologies, Inc., Petaluma, California. The BHQ, CAL Fluor and Quasar dye technologies are protected by U.S. and world-wide patents either issued or in application. Compounds incorporating these dyes are made and sold under agreement with Biosearch Technologies, Inc. for end-user's non-commercial research and development use only.

Their use in commercial applications is encouraged but requires a separate Commercial Use License granted by Biosearch Technologies, Inc."

