

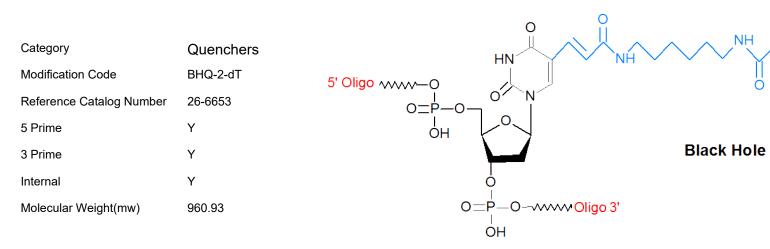
## Product Specifications

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



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<sup>®</sup>, BHQ<sup>®</sup>, CAL Fluor<sup>®</sup> and Quasar<sup>®</sup> 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.



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