Product Specifications

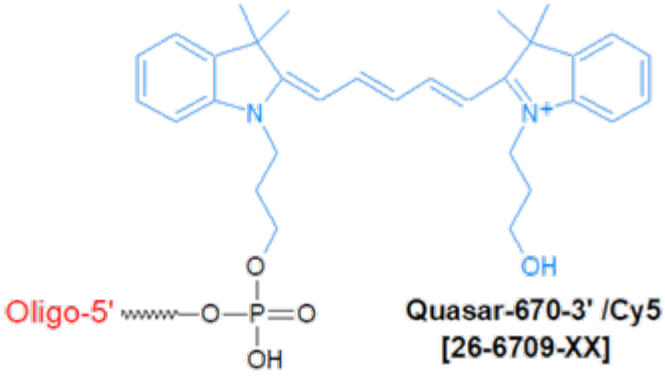
Custom Oligo Synthesis, antisense oligos, RNA oligos, chimeric oligos, Fluorescent dyes, Affinity Ligands, Spacers & Linkers, Duplex Stabilizers, Minor bases, labeled oligos, Molecular Beacons, siRNA, phosphonates Locked Nucleic Acids (LNA); 2′-5′ linked Oligos

Oligo Modifications

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

Quasar 670-3'

Category	Fluorescent Dyes
Modification Code	Qsr-670
Reference Catalog Number	26-6709
5 Prime	N
3 Prime	Y
Internal	N
Molecular Weight(mw)	645.78



Quasar-670-3' /Cy5
[26-6709-XX]

Quasar 570 is identical to Cy3 and Quasar 670 is identical to Cy5. Cy3 and Cy5 named fluorophores are available for 5', 3', Internal and NHS forms for post synthesis conjugation. Please see related fluorophores listed above. Click here for list of fluorophores.

Quasar 670 is an indocarbocyanine which fluoresces in the red region of the visible spectrum. The absorption Max is 644 nm and emission max is at 670 nm.This fluorophore is a direct replacement for Cy5. Quasar 670 can be used for the 5' labeling of fluorogenic probes used in 5' nuclease assays, Molecular Beacons, and other detection assays. Appropriate quencher for Quaser 670 is BBQ 650 with an absorption max at 650nm, BHQ-2 has an absorption range 550-650 nm with the max at 579 nm; it will also quench the fluorescence of Quasar 670.

Quencher Spectral Data

Quencher

Absorption Max, nm

Quenching Range, nm Dabcyl 453 380-530 BHQ1 534 480-580 BHQ2 579 550-650 BHQ3 672 620-730 BBQ-650 650 550-750 Click here for complete list of quenchers **Black Hole Quencher License Agreement
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