

Dark quenchers at your design



I-MATERIAL INC

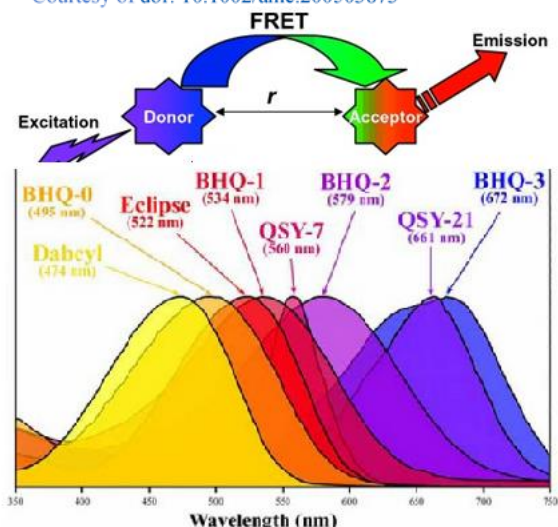
2290 Chemin St-Francois
Dorval, Quebec
H9P 1K2, Canada

Organic Nano Electronic (ONE=I) Materials for those who understand quality

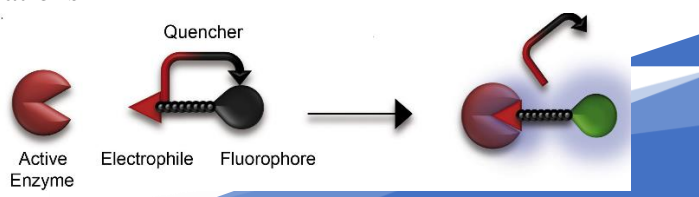
Bio-logic for better life

FRET BEYOND DONOR & ACCEPTOR FLUORESCENT DYE & DARK QUENCHER

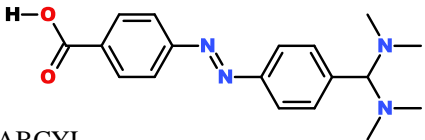
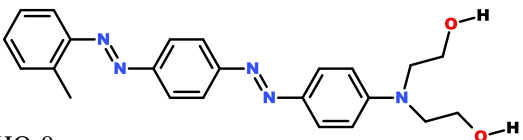
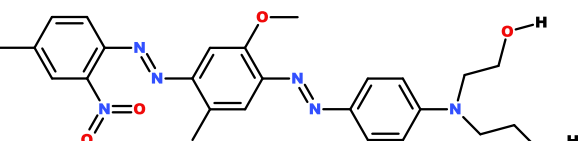
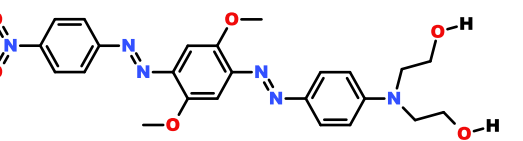
Courtesy of doi: 10.1002/anie.200503873



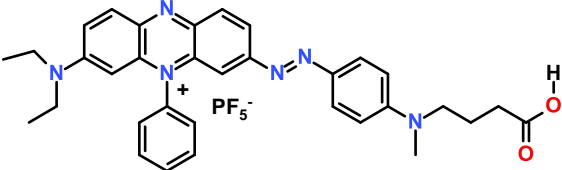
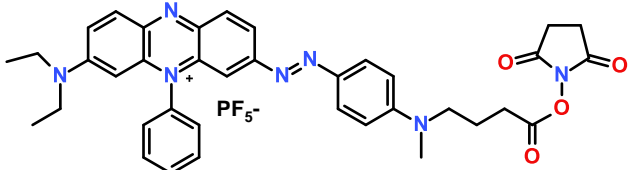
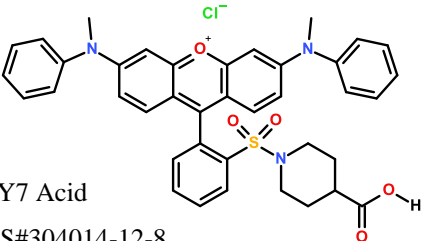
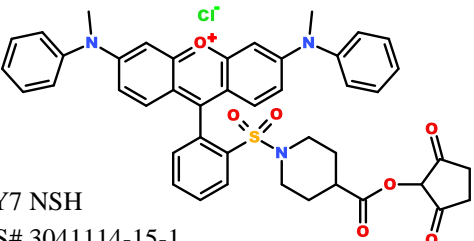
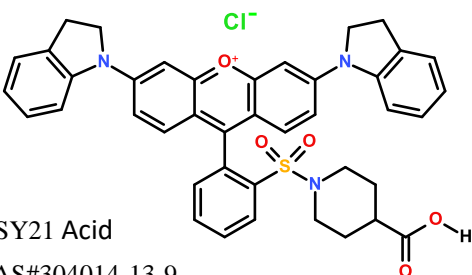
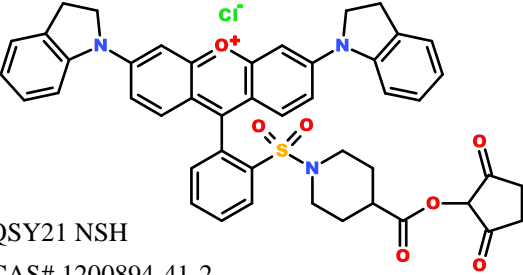
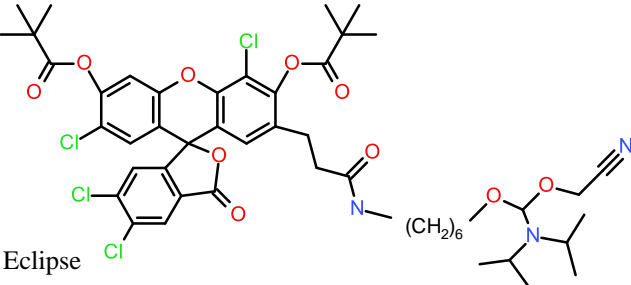
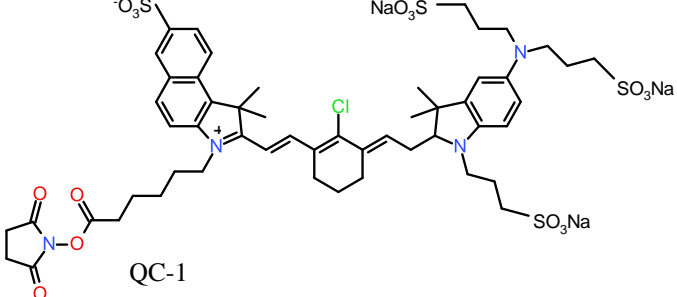
Dark quencher molecules are now regarded as key components in the design of smart optical bioprobes, especially those that rely on Förster resonance energy transfer (FRET), currently used in protease activity assays, nucleic acid hybridization, and real-time polymerase chain reactions (PCRs). The principal advantage that these molecules offer over their fluorescent counterparts is the elimination of background fluorescence that originates from direct acceptor excitation or re-emission. In responding to growing demand of these bio-logic molecules, we are open to custom-make these dark quencher molecules to certain customers in certain regions according to your specific specifications.



Examples of dark quencher molecules and their derivatives for your current needs and further designs

 <p>DABCYL CAS# 6268-49-1</p>	 <p>BHQ-0 CAS# 1312707-35-9</p>
 <p>BHQ-1 CAS#374591-92-1</p>	 <p>BHQ-2 CAS# 374591-96-5</p>

Dark quenchers at your design

 <p>BHQ-3 Acid CAS#1338332-67-4</p>	 <p>BHQ-3 NHS CAS#871240-95-8</p>
 <p>QSY7 Acid CAS#304014-12-8</p>	 <p>QSY7 NSH CAS# 3041114-15-1</p>
 <p>QSY21 Acid CAS#304014-13-9</p>	 <p>QSY21 NSH CAS# 1200894-41-2</p>
 <p>Eclipse CAS# 502485-39-4</p>	 <p>QC-1 CAS#918324-42-2</p>

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