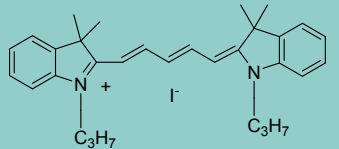
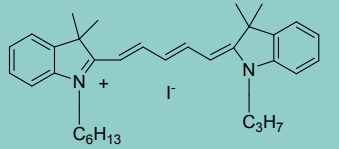
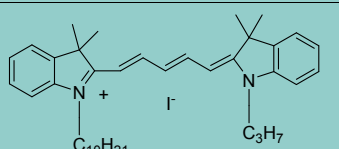
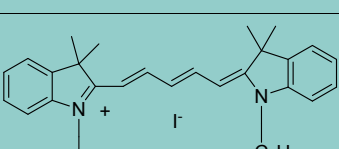
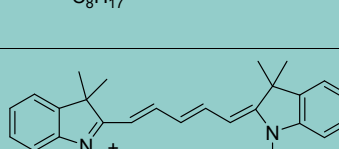


## Lipophilic Cyanines

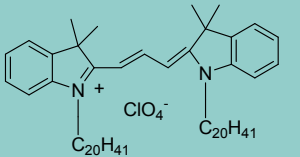
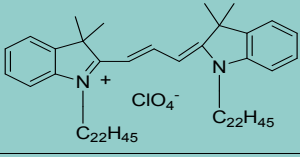
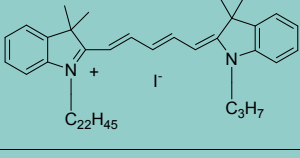
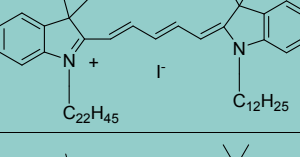
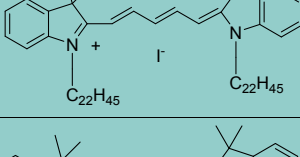
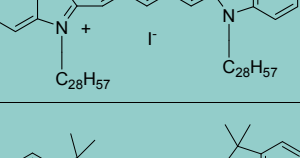
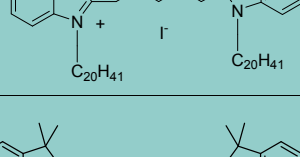
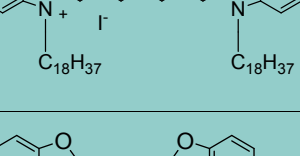
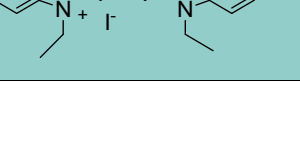
Cyanine dyes exhibit large molar absorptivities ( $\sim 150,000\text{-}250,000 \text{ M}^{-1}\text{cm}^{-1}$ ) and moderate quantum yields resulting in extremely bright fluorescence signals. Therefore, cyanines have proven useful in several fields including photography, biology, laser technology and analytical chemistry.

MTTI offers a series of unique lipophilic cyanine dyes which may be useful for biophysical studies of lipid bilayers of cells or other artificial membranes. In particular, these compounds may be useful as molecular probes of membrane potential, for labeling lipid bilayers and for labeling hydrophobic pockets of lipo-proteins.

**CYANINE DYE PRODUCT LIST**
**Custom Cyanine Dyes Also Prepared!**

Catalog #	Structure/Name	Formula/MW	Size	Price
CN-1001	 Dil C <sub>3</sub> (5)	C <sub>31</sub> H <sub>39</sub> IN <sub>2</sub> 566.6	1 mg	\$144.43
CN-1002	 Dil C <sub>6,3</sub> (5)	C <sub>34</sub> H <sub>45</sub> IN <sub>2</sub> 608.6	1 mg	\$144.43
CN-1003	 Dil C <sub>10,3</sub> (5)	C <sub>38</sub> H <sub>53</sub> IN <sub>2</sub> 664.7	1 mg	\$144.43
CN-1004	 Dil C <sub>8</sub> (5)	C <sub>41</sub> H <sub>59</sub> IN <sub>2</sub> 706.8	1 mg	\$144.43
CN-1005	 Dil C <sub>14,3</sub> (5)	C <sub>42</sub> H <sub>61</sub> IN <sub>2</sub> 720.8	1 mg	\$144.43

See reverse for more products

Catalog #	Structure/Name	Formula/MW	Size	Price
CN-1006	 Dil C <sub>20</sub> (3)	C <sub>60</sub> H <sub>105</sub> ClN <sub>2</sub> O <sub>4</sub> 953.9	1 mg	\$144.43
CN-1007	 Dil C <sub>22</sub> (3)	C <sub>64</sub> H <sub>113</sub> ClN <sub>2</sub> O <sub>4</sub> 1010.0	1 mg	\$144.43
CN-1008	 Dil C <sub>22,3</sub> (5)	C <sub>50</sub> H <sub>77</sub> IN <sub>2</sub> 833.1	1 mg	\$144.43
CN-1009	 Dil C <sub>22,12</sub> (5)	C <sub>59</sub> H <sub>95</sub> IN <sub>2</sub> 959.3	1 mg	\$144.43
CN-1010	 Dil C <sub>22</sub> (5)	C <sub>69</sub> H <sub>115</sub> IN <sub>2</sub> 1099.6	1 mg	\$144.43
CN-1011	 Dil C <sub>28</sub> (5)	C <sub>81</sub> H <sub>139</sub> IN <sub>2</sub> 1267.9	1 mg	\$144.43
CN-1012	 Dil C <sub>20</sub> (5)	C <sub>65</sub> H <sub>107</sub> IN <sub>2</sub> 1043.5	1 mg	\$144.43
CN-1013	 DiR	C <sub>63</sub> H <sub>101</sub> IN <sub>2</sub> 1013.4	10 mg	\$200.66
CN-1015	 DiO C <sub>2</sub> (3)	C <sub>21</sub> H <sub>21</sub> IN <sub>2</sub> O <sub>2</sub> 460.3	100 mg	\$175.30

#### COMPANY PROFILE

Molecular Targeting Technologies, Inc. is a privately held US-based Biotechnology Company developing novel medical imaging products. MTTI has licensed fluorescence based technologies from PTI Research Inc. (PTIR), giving MTTI the worldwide rights to manufacture, sell and/or distribute PTIR's NeuroVue® and CellVue® product lines for *in vitro* and *in vivo* research applications.

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**MOLECULAR TARGETING TECHNOLOGIES, INC.**

For further information or to place an order please contact Dr. Brian Gray by email: [briangray@mtarget.com](mailto:briangray@mtarget.com) or phone: 610-738-7938