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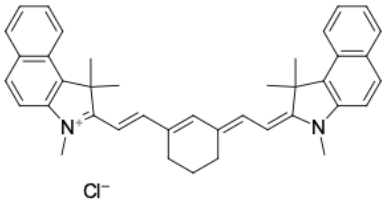
Cyanine7.5 dimethyl

http://www.lumiprobe.com/p/cyanine75-dimethyl

Non-functionalized Cyanine7.5 dye derivative with an aliphatic side chain and good solubility in organic solvents. The dye can be used as a non-reactive fluorophore for control experiments and for calibration.



Structure of Cyanine7.5 dimethyl

General properties

Appearance:	dark green powder
Molecular weight:	585.24
Molecular formula:	$C_{40}H_{41}ClN_2$
Solubility:	good in DMF, DMSO
Quality control:	NMR ^{1}H and HPLC-MS (95+%)
Storage conditions:	24 months after receival at -20°C in the dark. Transportation: at room temperature for up to 3 weeks. Desiccate.

Spectral properties

Excitation/absorption maximum, nm:	788
ε, L·mol^{-1}·cm^{-1}:	223000
Emission maximum, nm:	808
Fluorescence quantum yield:	0.10