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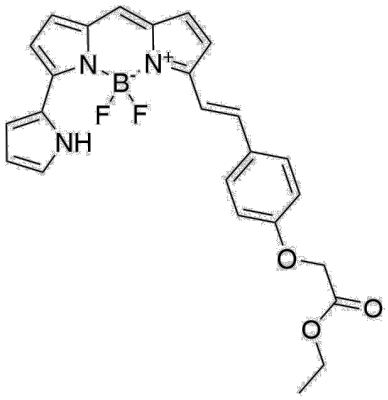
BDP® 650/665 lipid stain

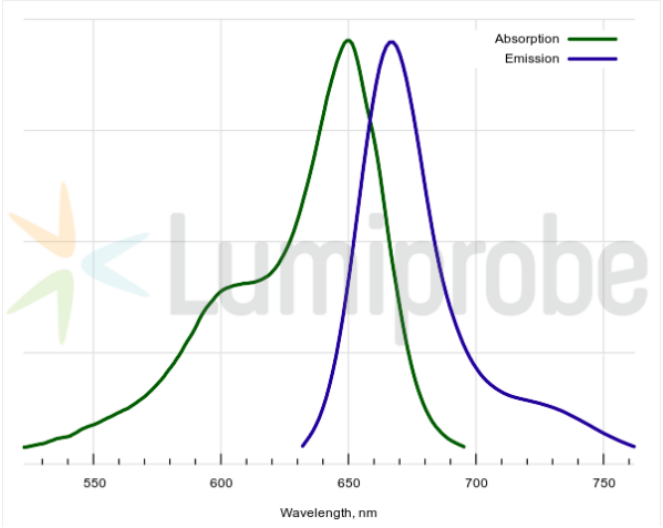
http://www.lumiprobe.com/p/bdp-650-665-lipid-stain

BDP 650/665 is a borondipyrromethene dye with high quantum yield and far red emission, it is an alternative to Cyanine5 and is compatible with the Cy5 channel.

This derivative of the BDP 650/665 fluorophore is used for staining of lipids and lipophilic compounds.



Structure of BDP 650/665 lipid stain



Absorption and emission spectra of BDP 650/665

General properties

Appearance:	dark glassy solid
Molecular weight:	461.27
Molecular formula:	$C_{25}H_{22}N_3BF_2O_3$
IUPAC name:	ethyl (E)-2-(4-(2-(5,5-difluoro-7-(1H-pyrrol-2-yl)-5H-4l4,5l4-dipyrrolo[1,2-c:2',1'-f][1,3,2]diazaborinin-3-yl)vinyl)phenoxy)acetate
Solubility:	good in DMSO, dichloromethane
Quality control:	NMR ^1H, HPLC-MS (95%)
Storage conditions:	Storage: 24 months after receival at -20°C in the dark. Transportation: at room temperature for up to 3 weeks. Avoid prolonged exposure to light. Desiccate.
Legal statement:	This Product is offered and sold for research purposes only. It has not been tested for safety and efficacy in food, drug, medical device, cosmetic, commercial or any other use. Supply does not express or imply authorization to use for any other purpose, including, without limitation, in vitro diagnostic purposes, in the manufacture of food or pharmaceutical products, in medical devices or in cosmetic products.

Spectral properties

Excitation/absorption maximum, nm:	649
ε, $L \cdot mol^{-1} \cdot cm^{-1}$:	94000
Emission maximum, nm:	667
Fluorescence quantum yield:	0.52
CF_{260}:	0.04
CF_{280}:	0.04