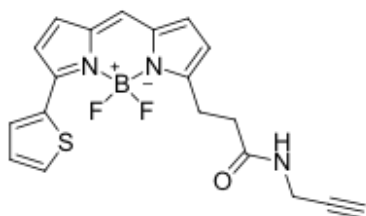


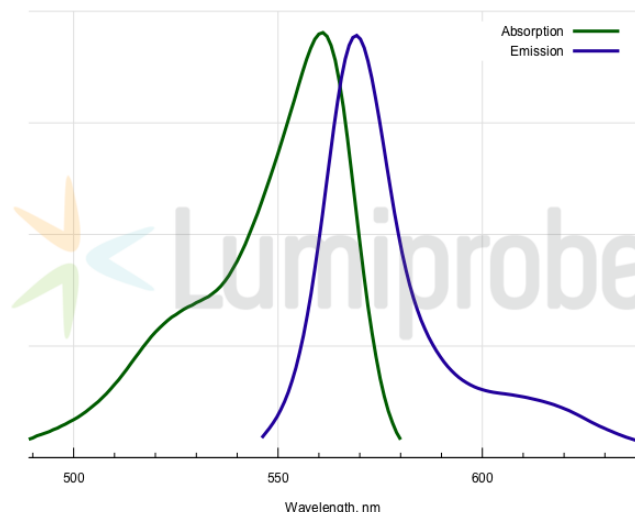
BDP 558/568 alkyne

<http://www.lumiprobe.com/p/bdp-558-568-alkyne>

BDP 558/568 is a borondipyrromethene dye for Cyanine3 channel. The dye possesses high quantum yield. This derivative is a terminal alkyne for copper-catalyzed click chemistry.



Structure of BDP 558/568 alkyne



Absorption and emission spectra of BDP 558/568

General properties

Appearance:	dark colored solid
Molecular weight:	383.22
Molecular formula:	C ₁₉ H ₁₆ N ₃ BF ₂ OS
Solubility:	well soluble in DCM, DMF, DMSO, acetone, low aqueous solubility
Quality control:	NMR ¹ H, HPLC-MS (95%)
Storage conditions:	Storage: 24 months after receipt 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:	561
ε, L·mol ⁻¹ ·cm ⁻¹ :	84400
Emission maximum, nm:	569
Fluorescence quantum yield:	0.68
CF ₂₆₀ :	0.00
CF ₂₈₀ :	0.07

BDP® is a trademark of Lumiprobe