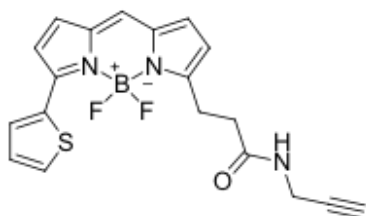


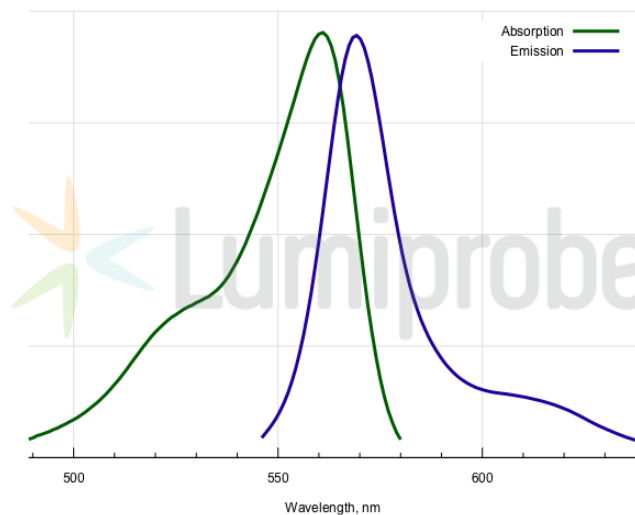
BDP 558/568 alkyne

<http://www.lumiprobe.com/p/bodipy-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.

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