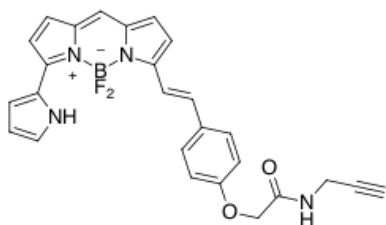


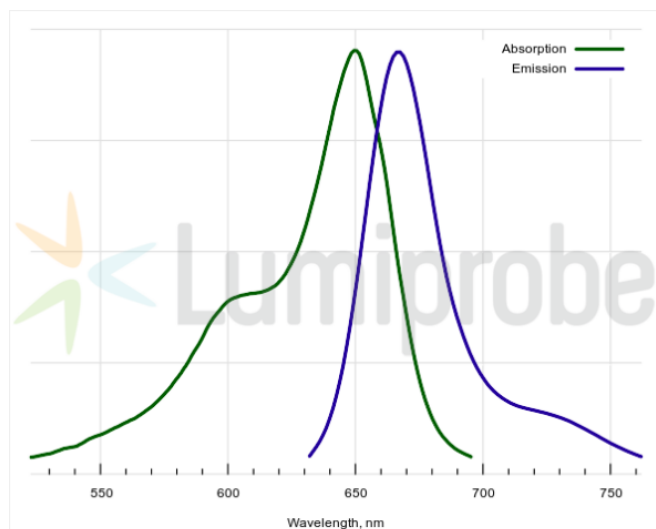
BDP 650/665 alkyne

<http://www.lumiprobe.com/p/bodipy-650-665-alkyne>

BDP 650/665 alkyne is a red-emitting BDP dye derivative carrying a terminal alkyne group for a copper-catalyzed conjugation with azides. Absorption and emission spectra of BDP 650/665 are designed to fit Cy5-channel of various instruments.



Structure of BDP 650/665 alkyne



Absorption and emission spectra of BDP 650/665

General properties

Appearance:	dark colored solid
Molecular weight:	470.28
CAS number:	2006345-40-8
Molecular formula:	C ₂₆ H ₂₁ N ₄ BF ₂ O ₂
Solubility:	soluble in DMF, DMSO
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:	649
ε, L·mol ⁻¹ ·cm ⁻¹ :	94000
Emission maximum, nm:	667
Fluorescence quantum yield:	0.52
CF ₂₆₀ :	0.04
CF ₂₈₀ :	0.04

BDP® is a trademark of Lumiprobe