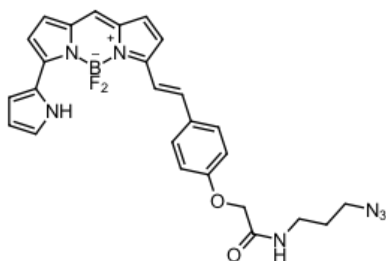


BDP 650/665 azide

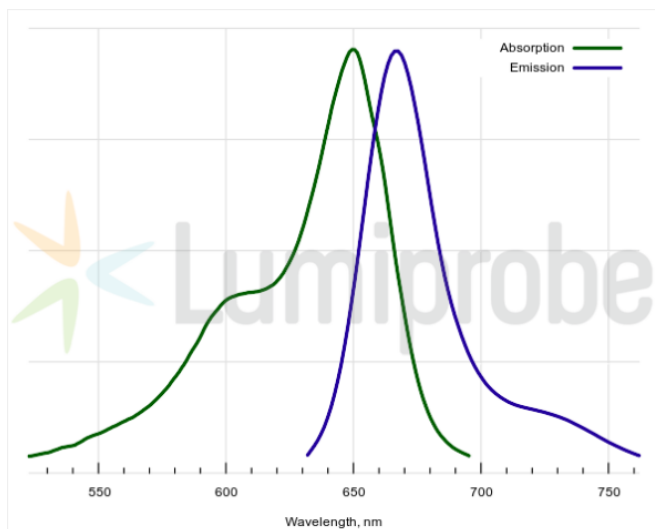
<http://www.lumiprobe.com/p/bodipy-650-665-azide>

BDP 650/665 is a bright red emitting borondipyrromethene dye, compatible with Cy5 channel found on many instruments. This is azide derivative of BDP 650/665. It can be conjugated with terminal alkynes via copper catalyzed reaction, or with cycloalkynes via copper-free Click chemistry.

BDP 650/665 azide can be conjugated with various terminal alkynes using copper-catalyzed Click chemistry, or with cycloalkynes using a copper-free reaction.



Structure of BDP 650/665 azide



Absorption and emission spectra of BDP 650/665

General properties

Appearance:	dark colored solid
Molecular weight:	515.32
Molecular formula:	C ₂₆ H ₂₄ N ₇ BF ₂ O ₂
Solubility:	good in DMF, DMSO, low in water
Quality control:	NMR ¹ H, HPLC-MS (95%)

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

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