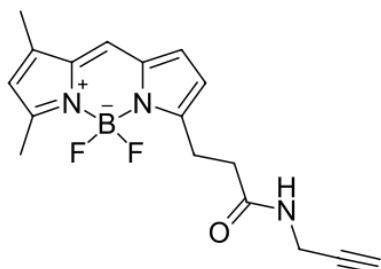


BDP FL alkyne

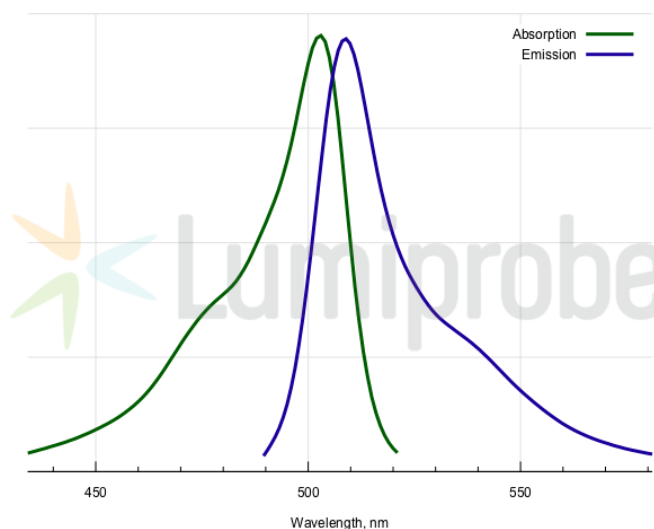
<http://www.lumiprobe.com/p/bodipy-fl-alkyne>

Alkyne derivative of BDP FL, an analog of BODIPY® FL alkyne. BDP FL is a borondipyrromethene dye, a bright and photostable fluorophore which emits in fluorescein (FAM) channel. Unlike FAM, BDP FL is very photostable. Its brightness is similar to fluorescein.

This alkyne can be conjugated with a number of azide-containing molecules by copper-catalyzed Click Chemistry.



Structure of BODIPY FL alkyne



BDP FL absorption and emission spectra

General properties

Appearance:	orange solid
Mass spec M+ increment:	329.1
Molecular weight:	329.15
CAS number:	302795-84-2, 2006345-30-6
Molecular formula:	C ₁₇ H ₁₈ BF ₂ N ₃ O
IUPAC name:	
Solubility:	Good in organic solvents (DMF, DMSO, dichloromethane), limited in water
Quality control:	NMR 1H, 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:	503
ε, L·mol ⁻¹ ·cm ⁻¹ :	92000
Emission maximum, nm:	509
Fluorescence quantum yield:	0.97
CF ₂₆₀ :	0.015
CF ₂₈₀ :	0.027

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