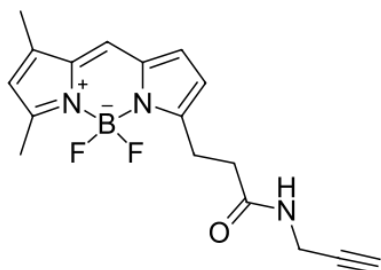


BDP® FL alkyne

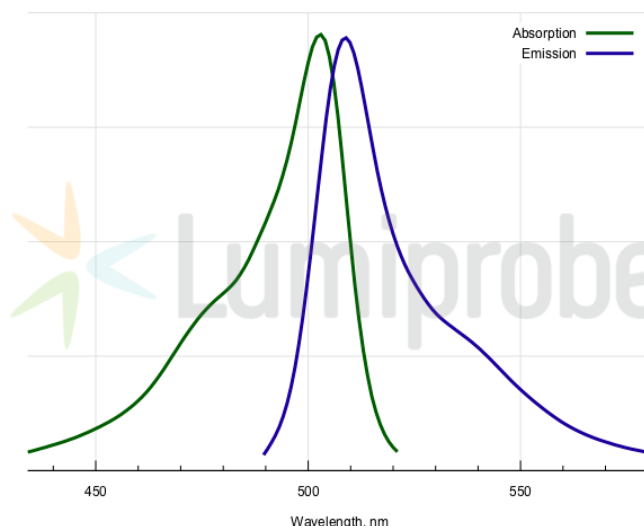
<http://www.lumiprobe.com/p/bdp-fl-alkyne>

Alkyne derivative of BDP FL. 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
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.
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:	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