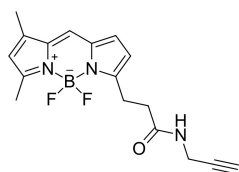


## BDP FL alkyne (A270089)

### Specifications:

Name:	BDP FL alkyne
Description:	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.
Absorption Maxima:	503 nm
Extinction Coefficient:	92000 M <sup>-1</sup> cm <sup>-1</sup>
Emission Maxima:	509 nm
Fluorescence Quantum Yield:	0.97
CAS Number:	302795-84-2, 2006345-30-6
CF <sub>260</sub> :	0.015
CF <sub>280</sub> :	0.027
Mass Spec M+ Shift after Conjugation:	329.1
Purity:	95% (by <sup>1</sup> H NMR and HPLC-MS).
Molecular Formula:	C <sub>17</sub> H <sub>18</sub> BF <sub>2</sub> N <sub>3</sub> O
Molecular Weight:	329.15 kDa
Product Form:	Orange solid.
Solubility:	Good in organic solvents (DMF, DMSO, dichloromethane). Limited in water.
Storage:	Shipped at room temperature. Upon delivery, store in the dark at -20°C. Avoid prolonged exposure to light. Desiccate.
Disclaimer:	This product is for research use only. It is not intended for diagnostic or therapeutic use.

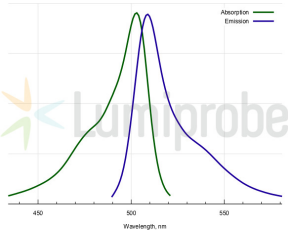
### Images:



Structure of BODIPY FL alkyne.

## BDP FL alkyne (A270089)

Images continued:



BDP FL absorption and emission spectra.