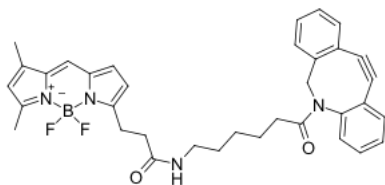


## BDP FL DBCO

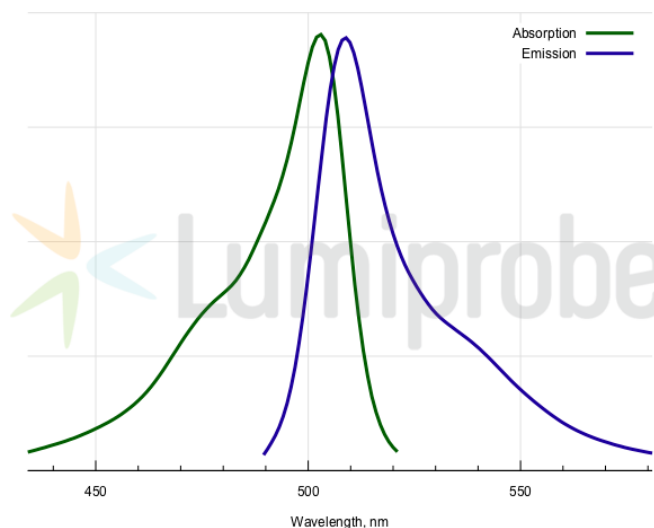
<http://www.lumiprobe.com/p/bodipy-fl-dbc>

BDP FL is a photostable borondipyrromethene for FAM (fluorescein) channel. The dye is compatible with filter sets for fluorescein.

This is DBCO (azadibenzocyclooctyne) derivative for copper-free click chemistry reaction with azides.



**Structure of BDP FL DBCO**



**Absorption and emission spectra of BDP FL**

### General properties

Appearance:	orange solid
Mass spec M+ increment:	592.3
Molecular weight:	592.49
CAS number:	2360493-46-3
Molecular formula:	C <sub>35</sub> H <sub>35</sub> N <sub>4</sub> BF <sub>2</sub> O <sub>2</sub>
Solubility:	good in DMF, DMSO, DCM
Quality control:	NMR <sup>1</sup> H, HPLC-MS (95%)
Storage conditions:	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 <sup>-1</sup> ·cm <sup>-1</sup> :	92000
Emission maximum, nm:	509
Fluorescence quantum yield:	0.97

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