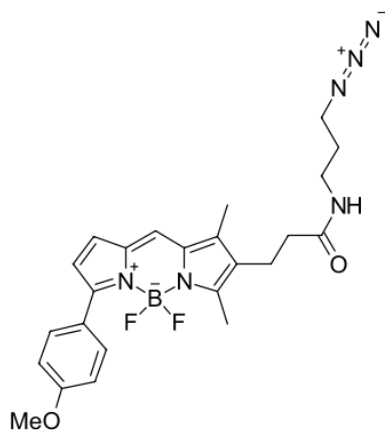


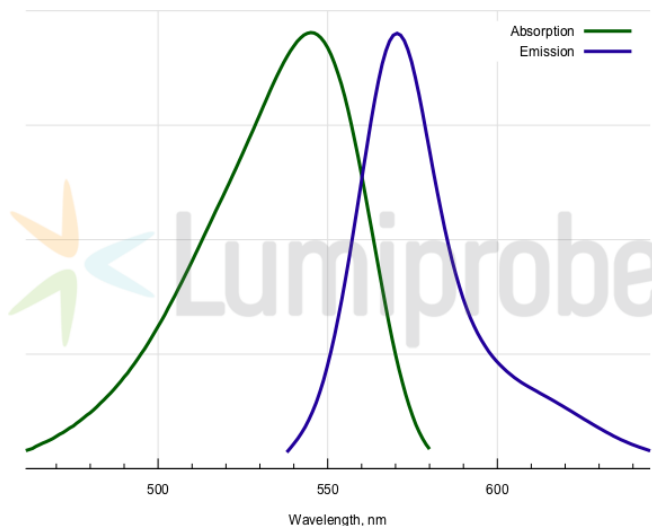
## BDP TMR azide

BDP TMR is a borondipyrromethene fluorophore (analog of BODIPY® TMR) with excitation and emission wavelengths matching TAMRA dye channels. The dye has a long fluorescence lifetime.

This derivative is an azide for Click chemistry labeling.



**Structure of BDP TMR azide**



**Absorption and emission spectra of BODIPY TMR**

### General properties

Appearance:	orange to brown solid
Mass spec M+ increment:	480.2
Molecular weight:	480.32
Molecular formula:	C <sub>24</sub> H <sub>27</sub> BF <sub>2</sub> N <sub>6</sub> O <sub>2</sub>
Solubility:	good in most organic solvents
Quality control:	NMR <sup>1</sup> H, 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.
TN VED Code:	3204190000

### Spectral properties

Excitation maximum, nm:	545
Emission maximum, nm:	570
Fluorescence quantum yield:	0.95
CF <sub>260</sub> :	0.16
CF <sub>280</sub> :	0.16

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