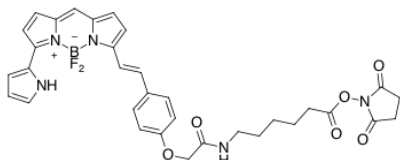


## BDP 650/665 X NHS ester

<http://www.lumiprobe.com/p/bodipy-650-665-x-nhs-ester>

BDP 650/665 is a borondipyrromethene dye with far red excitation and emission. The dye has a good molar extinction coefficient and emission quantum yield.

The NHS ester can be conjugated with amine groups of proteins, peptides, and other molecules. The molecule contains an additional aminohexanoic acid linker.



**Structure of BDP 650/665 X NHS ester**

### General properties

Appearance:	dark colored solid
Mass spec M+ increment:	528.2
Molecular weight:	643.45
CAS number:	235439-04-0; 1616842-78-4
Molecular formula:	C <sub>33</sub> H <sub>32</sub> N <sub>5</sub> BF <sub>2</sub> O <sub>6</sub>
Solubility:	good in DMF, DMSO, low in water
Quality control:	NMR <sup>1</sup> H, HPLC-MS (95%)
Storage conditions:	Storage: 12 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:	649
ε, L·mol <sup>-1</sup> ·cm <sup>-1</sup> :	94000
Emission maximum, nm:	667
Fluorescence quantum yield:	0.52
CF <sub>260</sub> :	0.04
CF <sub>280</sub> :	0.04