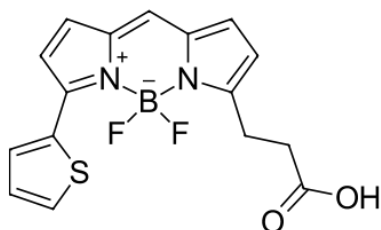


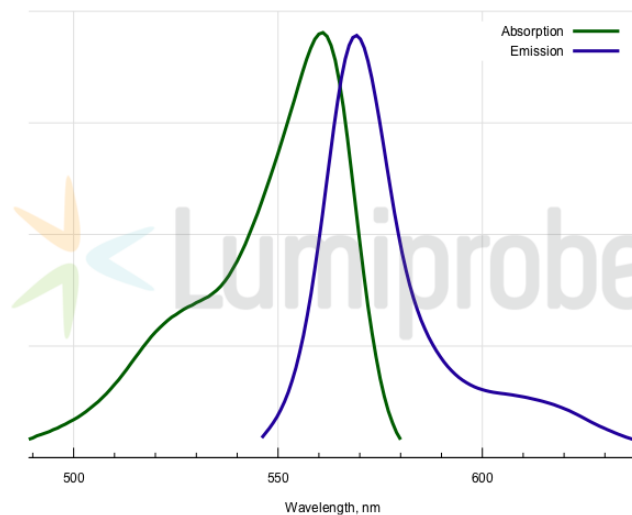
## BDP 558/568 carboxylic acid

<http://www.lumiprobe.com/p/bodipy-558-568-acid>

BDP 558/568 is a universal borondipyrromethene dye with emission in the yellow region of the spectrum. This derivative is a free carboxylic acid.



Structure of BDP 558/568 carboxylic acid



Absorption and emission spectra of BDP 558/568

### General properties

Appearance:	dark colored solid
Molecular weight:	346.16
CAS number:	150173-72-1
Molecular formula:	C <sub>16</sub> H <sub>13</sub> N <sub>2</sub> BF <sub>2</sub> O <sub>2</sub> S
Solubility:	good in DCM, DMF, DMSO
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.

### Spectral properties

Excitation/absorption maximum, nm:	561
ε, L·mol <sup>-1</sup> ·cm <sup>-1</sup> :	84400
Emission maximum, nm:	569
Fluorescence quantum yield:	0.68
CF <sub>260</sub> :	0.00
CF <sub>280</sub> :	0.07