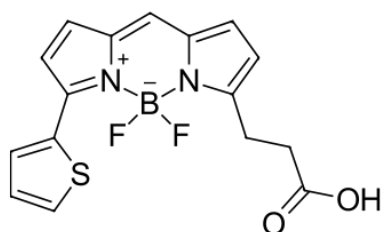


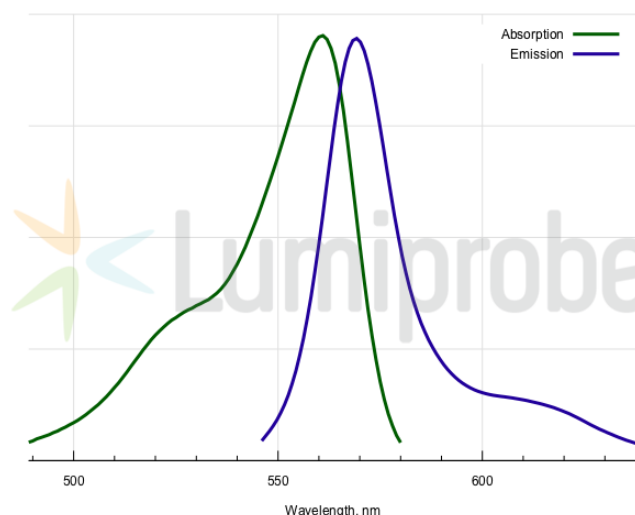
BDP® 558/568 carboxylic acid

<http://www.lumiprobe.com/p/bdp-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 ₁₆ H ₁₃ N ₂ BF ₂ O ₂ S
Solubility:	good in DCM, DMF, DMSO
Quality control:	NMR ¹ 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.
Legal statement:	This Product is offered and sold for research purposes only. It has not been tested for safety and efficacy in food, drug, medical device, cosmetic, commercial or any other use. Supply does not express or imply authorization to use for any other purpose, including, without limitation, in vitro diagnostic purposes, in the manufacture of food or pharmaceutical products, in medical devices or in cosmetic products.

Spectral properties

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

BDP® is a trademark of Lumiprobe