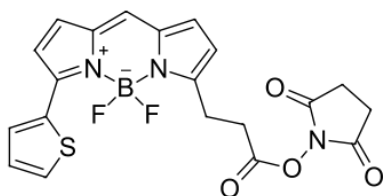


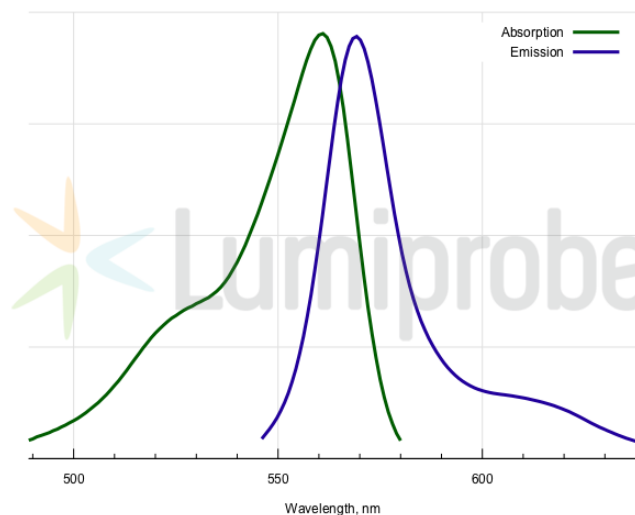
BDP 558/568 NHS ester

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

BDP 558/568 is a borondipyrromethene fluorophore with emission in the yellow part of the spectrum. Its absorption and emission spectra are in similar range as TAMRA, BDP TMR, Cyanine3, and sulfo-Cyanine3. This is an amine reactive NHS ester.



Chemical structure of BDP 558/568 NHS ester



Absorption and emission spectra of BDP 558/568

General properties

Appearance:	dark colored solid
Molecular weight:	443.23
CAS number:	150173-73-2
Molecular formula:	C ₂₀ H ₁₆ N ₃ BF ₂ O ₄ S
Solubility:	good in DMF, DMSO, ethyl acetate
Quality control:	NMR ¹ 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.

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

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