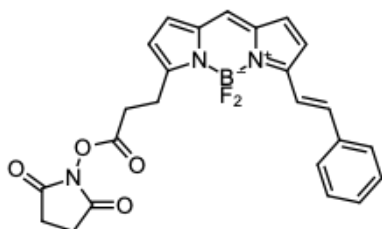


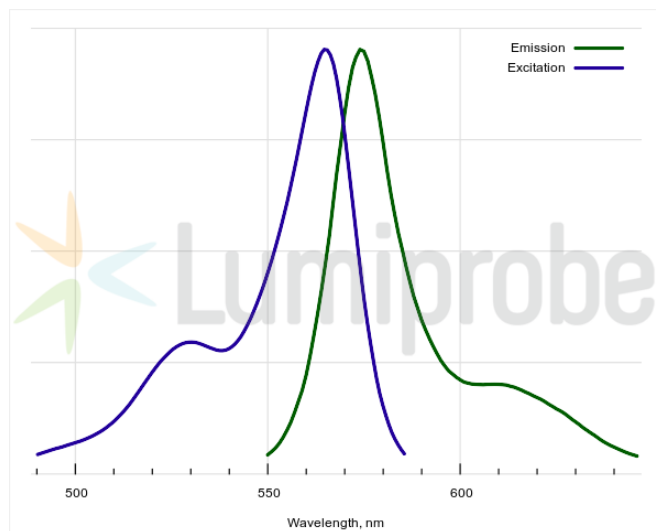
BDP 564/570 NHS ester

<http://www.lumiprobe.com/p/bdp-564-570-nhs-ester>

BDP 564/570 is a lyophilic dye with orange emission. This NHS ester is useful for the labeling of amine containing biomolecules, including amine-modified oligonucleotides.



Structure of BDP 564/570 NHS ester



Absorption and emission spectra of BDP 564/570

General properties

Appearance:	dark colored solid
Mass spec M+ increment:	348.1
Molecular weight:	463.24
CAS number:	150173-90-3
Molecular formula:	C ₂₄ H ₂₀ N ₃ BF ₂ O ₄
Solubility:	soluble in DMSO, DMF, chlorinated organic solvents
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:	565
ε, L·mol ⁻¹ ·cm ⁻¹ :	110000
Emission maximum, nm:	574
Fluorescence quantum yield:	0.74
CF ₂₆₀ :	0.01
CF ₂₈₀ :	0.03

BDP® is a trademark of Lumiprobe