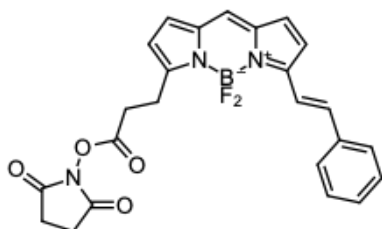


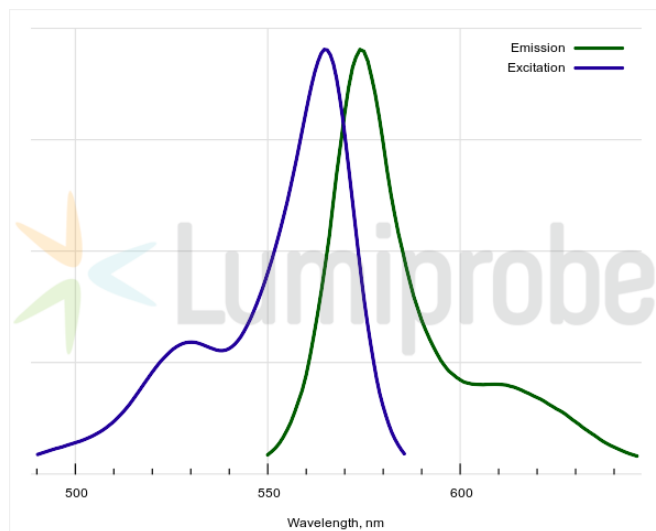
BDP 564/570 NHS ester

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

BDP 564/570 is a lipophilic 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.
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:	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