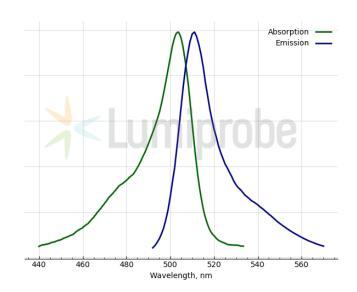


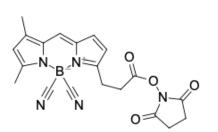
## **BDPep FL NHS ester**

http://www.lumiprobe.com/p/bdp-fl-spps-nhs-ester

BDPep FL is a bright and photostable fluorophore for the fluorescein (FAM) channel. BDPep FL is an acid-stable version of BDP FL, keeping similar spectral properties to its ancestor. The compatibility of BDPep FL with TFA with additives used in solid phase peptide synthesis (SPPS) is a crucial advantage of this dye compared to other analogs.

BDPep FL is beneficial for peptide synthesis due to its high stability and the absence of the dye decomposition to the corresponding dipyrrin under acidic conditions.





Structure of BDPep FL NHS ester

## Absorption and emission spectra of BDPep FL

Appearance:	orange powder
Molecular weight:	403.21
Molecular formula:	$C_{20}H_{18}BN_5O_4$
Solubility:	good in DMF, DMSO, dichlromethane
Quality control:	NMR <sup>1</sup> H and HPLC-MS (95+%)
Storage conditions:	12 months after receival at -20°C in the dark. Transportation: at room temperature for up to 3 weeks. Desiccate.

## **Spectral properties**

**General properties** 

Excitation/absorption maximum, nm: 503		
ε, L·mol <sup>-1</sup> ·cm <sup>-1</sup> :	80000	
Emission maximum, nm:	511	
Fluorescence quantum yield:	0.95	

BDP® is a trademark of Lumiprobe