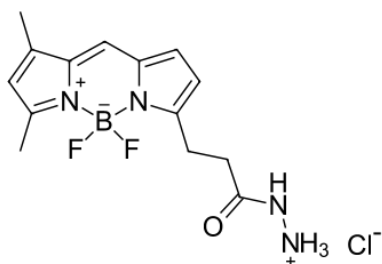


BDP® FL hydrazide

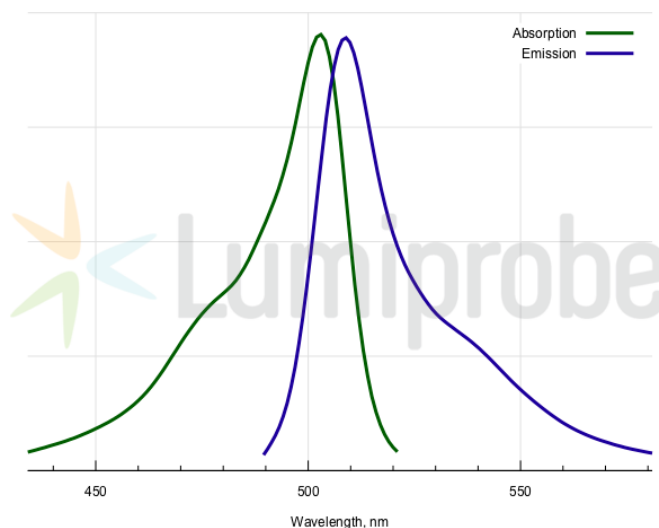
<http://www.lumiprobe.com/p/bdp-fl-hydrazide>

BDP FL is a bright and photostable dye for FAM channel. It possesses great photostability, quantum yield approaching unity. This dye is well-suited for microscopy and fluorescence polarization assays.

Hydrazide group provides easy conjugation with carbonyl compounds (aldehydes, and ketones).



Structure of BODIPY FL hydrazide



Absorption and emission spectra of BDP FL

General properties

Appearance:	brown to orange solid
Molecular weight:	342.58
CAS number:	2183473-45-0
Molecular formula:	C ₁₄ H ₁₈ BClF ₂ N ₄ O
Solubility:	poorly soluble in water (20.2 mM = 6.94 g/L), soluble in polar (DMSO, DMF) organic solvents, methanol, moderately soluble in acetonitrile, DCM
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:	503
ε, L·mol ⁻¹ ·cm ⁻¹ :	92000
Emission maximum, nm:	509
Fluorescence quantum yield:	0.97
CF ₂₆₀ :	0.015
CF ₂₈₀ :	0.027