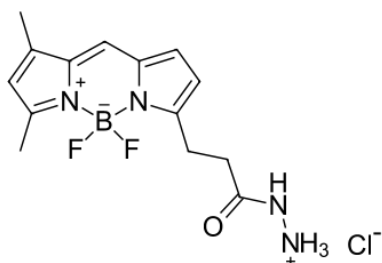


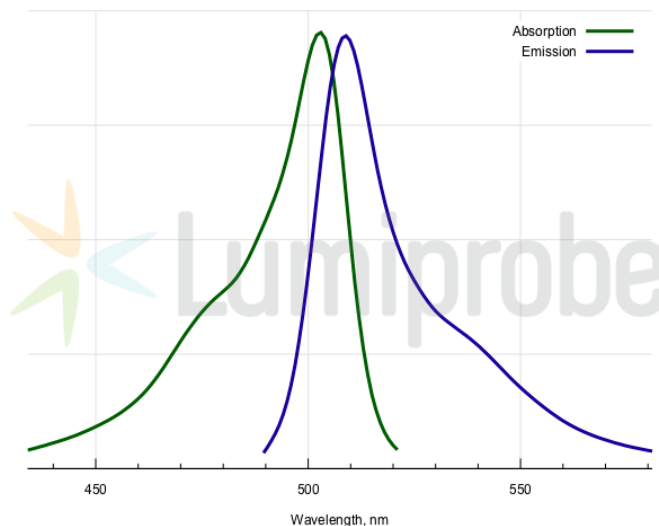
## BDP FL hydrazide

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 (hydrochloride); 178388-71-1; 2256724-38-4
Molecular formula:	C <sub>14</sub> H <sub>18</sub> BClF <sub>2</sub> N <sub>4</sub> 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 <sup>1</sup> 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.
TN VED Code:	3204190000

### Spectral properties

Excitation maximum, nm:	503
$\epsilon$ , L·mol <sup>-1</sup> ·cm <sup>-1</sup> :	92000
Emission maximum, nm:	509
Fluorescence quantum yield:	0.97
CF <sub>260</sub> :	0.015
CF <sub>280</sub> :	0.027