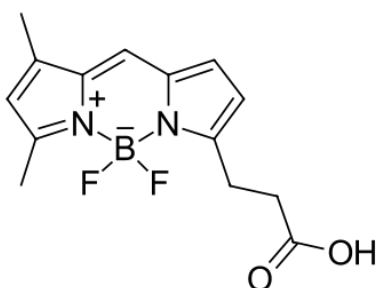


BDP FL carboxylic acid

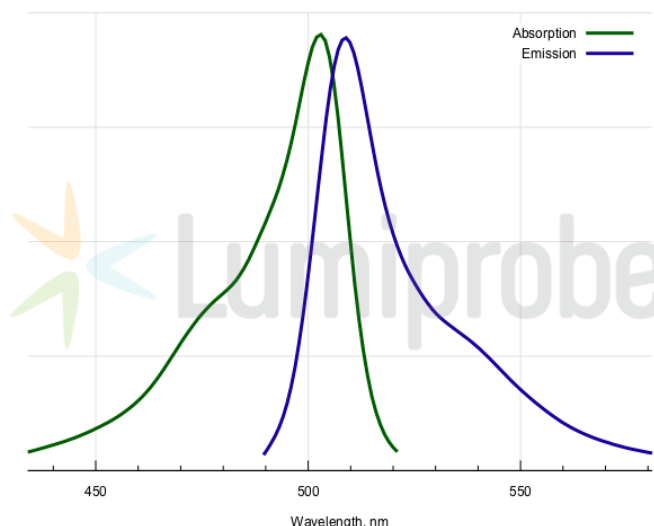
<http://www.lumiprobe.com/p/bodipy-fl-carboxylic-acid>

Borondipyrromethene dyes are bright and photostable fluorophores. BDP FL is a dye for fluorescein (FAM) channel.

This is a free unactivated carboxylic acid derivative of BDP FL. This reagent is useful as a non-reactive control, for reference, and calibration. It can also be used for the conjugation after the activation with carbodiimides.



Structure of BODIPY FL carboxylic acid



Absorption and emission spectra of BDP FL

General properties

Appearance:	orange crystals
Molecular weight:	292.09
CAS number:	165599-63-3
Molecular formula:	C ₁₄ H ₁₅ N ₂ BO ₂ F ₂
IUPAC name:	Borate(1-), [5-[(3,5-dimethyl-2H-pyrrol-2-ylidene-κN)methyl]-1H-pyrrole-2-propanoato(2-)-κN1]difluoro-, hydrogen (1:1), (T-4)- Coordination Compound
Solubility:	good in DMF, DMSO, alcohols
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.

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

BDP® is a trademark of Lumiprobe