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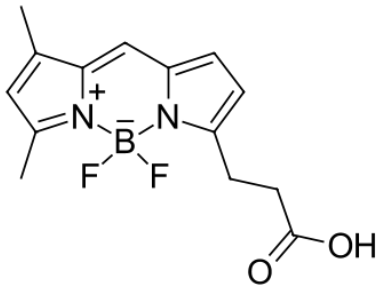
BDP® FL carboxylic acid

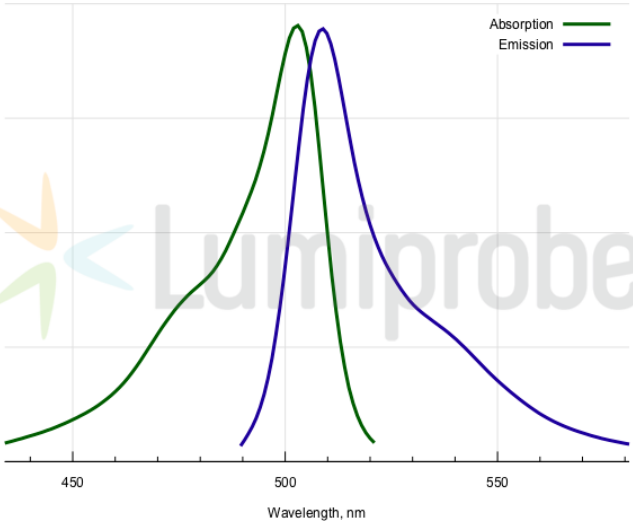
http://www.lumiprobe.com/p/bdp-fl-carboxylic-acid

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:	$C_{14}H_{15}N_2BO_2F_2$
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 receival 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, $L \cdot mol^{-1} \cdot cm^{-1}$:	92000
Emission maximum, nm:	509
Fluorescence quantum yield:	0.97
CF_{260}:	0.015
CF_{280}:	0.027