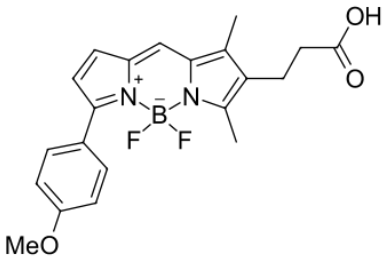
**Lumiprobe Corporation**
201 International Circle, Suite 135
Hunt Valley, Maryland 21030
USA
Phone: +1 888 973 6353
Fax: +1 888 973 6354
Email: order@lumiprobe.com

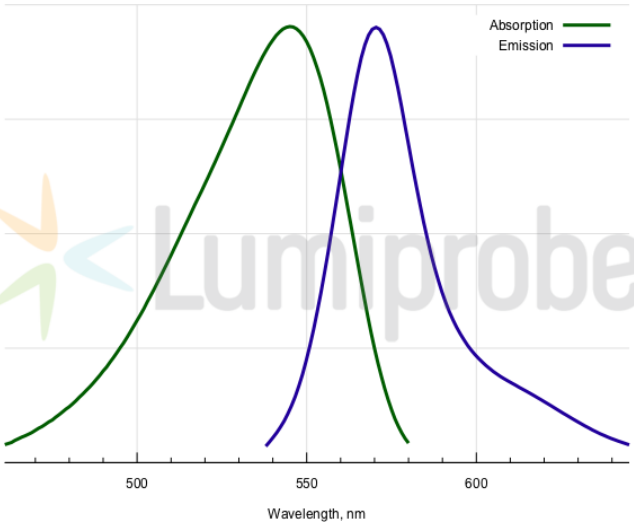
# BDP TMR carboxylic acid

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

This free carboxylic acid can be used as a non-reactive control in side-by side experiments with other reactive derivatives of BDP TMR. It can also be used for Steglich esterification.




**Structure of BODIPY TMR carboxylic acid**




**Absorption and emission spectra of BDP TMR**

## General properties

| | |
|---|---|
| Appearance: | dark green-black crystals |
| Molecular weight: | 398.21 |
| CAS number: | 287384-28-5 |
| Molecular formula: | $C_{21}H_{21}BF_2N_2O_3$ |
| IUPAC name: | 3-[4,4-Difluoro-5-(p-methoxyphenyl)-1,3-dimethyl-3a,4a-diaza-4-bora-s-indacen-2-yl]propionic acid |
| Solubility: | good in alcohols, DMSO, DMF |
| Quality control: | NMR $^1H$, 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: | 542 |
| ε, $L \cdot mol^{-1} \cdot cm^{-1}$: | 55000 |
| Emission maximum, nm: | 574 |
| Fluorescence quantum yield: | 0.64 |
| $CF_{260}$: | 0.16 |
| $CF_{280}$: | 0.16 |