

Lumiprobe Corporation

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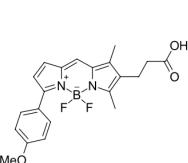
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BDP® TMR carboxylic acid

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.



500 600 550 Wavelength, nm

Absorption Emission

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.

This Product is offered and sold for research purposes only. It has not been tested for safety and Legal statement:

> 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·mol⁻¹·cm⁻¹: 55000 Emission maximum,

574

nm:

Fluorescence quantum 0.64

vield:

CF₂₆₀: 0.16 0.16 CF₂₈₀:

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