

Lumiprobe Corporation

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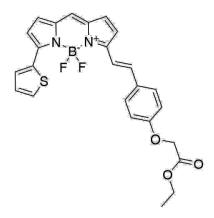
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BDP® 630/650 lipid stain

http://www.lumiprobe.com/p/bdp-630-650-lipid-stain

BDP 630/650 is a bright, photostable far-red fluorophore with a high molar extinction coefficient and quantum yield. It has a relatively long excited-state lifetime, making this dye useful for fluorescence polarization analysis.

This derivative is BDP 630/650 ethyl ester and can be used to stain lipids and other lipophilic compounds.



Structure of BDP 630/650 lipid stain

General properties

Appearance: Deep blue glassy solid

478.32 Molecular weight:

Molecular formula: $C_{25}H_{21}N_2BF_2O_3S$

IUPAC name: ethyl (E)-2-(4-(2-(5,5-difluoro-7-(thiophen-2-yl)-5H-4l4,5l4-dipyrrolo[1,2-c:2',1'-f][1,3,2]diazaborinin-3-

yl)vinyl)phenoxy)acetate

Solubility: good in DMSO, dichloromethane

Quality control: NMR 1H, HPLC-MS (95%)

Storage: 24 months after receival at -20°C in the dark. Transportation: at room temperature for up to 3 weeks. Avoid Storage conditions:

prolonged exposure to light. Desiccate.

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

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 628

maximum, nm:

97000 ε , L·mol⁻¹·cm⁻¹: Emission maximum, 642

nm:

Fluorescence

quantum yield:

0.91

CF₂₆₀: 0.029 CF₂₈₀: 0.035

BDP® is a trademark of Lumiprobe Corporation