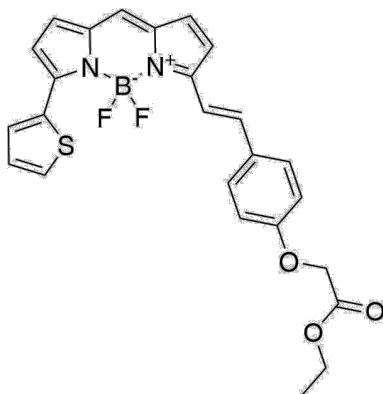


BDP® 630/650 lipid stain

<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 |
| Molecular weight: | 478.32 |
| Molecular formula: | C ₂₅ H ₂₁ N ₂ BF ₂ O ₃ S |
| IUPAC name: | ethyl (E)-2-(4-(2-(5,5-difluoro-7-(thiophen-2-yl)-5H-4 4,5 4-dipyrrrolo[1,2-c:2',1'-f][1,3,2]diazaborinin-3-yl)vinyl)phenoxy)acetate |
| Solubility: | good in DMSO, dichloromethane |
| 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. |
| 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: | 628 |
| ε, L·mol ⁻¹ ·cm ⁻¹ : | 97000 |
| Emission maximum, nm: | 642 |
| Fluorescence quantum yield: | 0.91 |
| CF ₂₆₀ : | 0.029 |
| CF ₂₈₀ : | 0.035 |

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