

Lumiprobe Corporation

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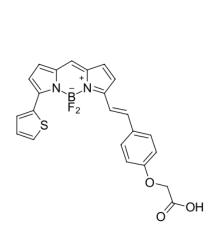
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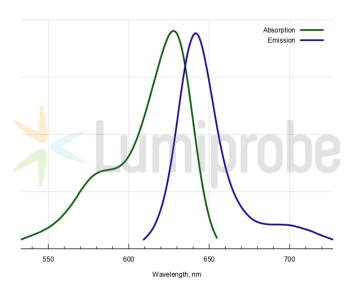
BDP® 630/650 carboxylic acid

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

BDP 630/650 is a bright far red fluorophore based on borondipyrromethene scaffold. This is a carboxylic acid derivative that can be activated for the coupling with amines. It can also be used as a control in negative experiments, or when chemical attachment of the dye is not necessary.



Structure of BDP 630/650 carboxylic acid



Absorption and emission spectra of BDP 630/650

General properties

Appearance: dark powder Molecular weight: 450.27

CAS number: 2183512-02-7 Molecular formula: $C_{23}H_{17}N_2BF_2O_3S$ Solubility: good in DMF, DMSO 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: 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

BDP® is a trademark of Lumiprobe