

Lumiprobe Corporation

201 International Circle, Suite 135 Hunt Valley, Maryland 21030

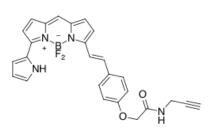
USA

Phone: +1 888 973 6353 Fax: +1 888 973 6354 Email: order@lumiprobe.com

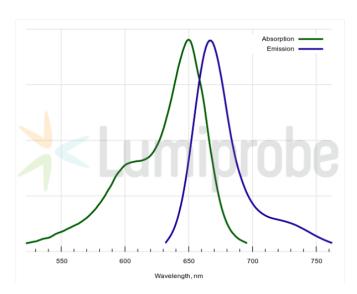
BDP® 650/665 alkyne

http://www.lumiprobe.com/p/bdp-650-665-alkyne

BDP 650/665 alkyne is a red-emitting BDP dye derivative carrying a terminal alkyne group for a copper-catalyzed conjugation with azides. Absorption and emission spectra of BDP 650/665 are designed to fit Cy5-channel of various instruments.



Structure of BDP 650/665 alkyne



Absorption and emission spectra of BDP 650/665

General properties

Appearance: dark colored solid

Molecular weight: 470.28

CAS number: 2006345-40-8 Molecular formula: $C_{26}H_{21}N_4BF_2O_2$

Solubility: soluble 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: 649 ϵ , L·mol⁻¹·cm⁻¹: 94000 Emission maximum, nm: 667 Fluorescence quantum yield: 0.52 CF_{260} : 0.04 CF_{280} : 0.04

BDP® is a trademark of Lumiprobe