

Lumiprobe Corporation

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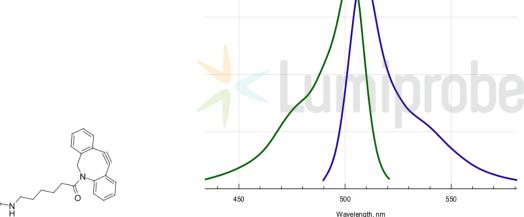
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BDP® FL DBCO

http://www.lumiprobe.com/p/bdp-fl-dbco

BDP FL is a photostable borondipyrromethene for the FAM (fluorescein) channel. The dye is compatible with filter sets for fluorescein. This reagent is a DBCO (azadibenzocyclooctyne) derivative for copper-free click chemistry reaction with azides.



Structure of BDP FL DBCO

Absorption and emission spectra of BDP FL

Absorption Emission

General properties

Appearance: orange solid

Mass spec M+ increment: 592.3 Molecular weight: 592.49

CAS number: 2360493-46-3 Molecular formula: $C_{35}H_{35}N_4BF_2O_2$

Solubility: good in DMF, DMSO, DCM

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

Storage conditions: 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: 503 ϵ , L·mol⁻¹·cm⁻¹: 92000 Emission maximum, nm: 509 Fluorescence quantum yield: 0.97

BDP® ist eine Marke von Lumiprobe