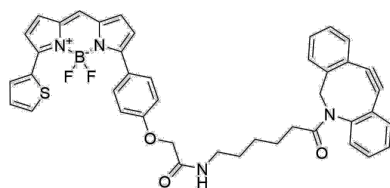


BDP® TR DBCO

<http://www.lumiprobe.com/p/bdp-tr-dbc>

BDP TR is a bright and photostable red fluorescent dye. This dye has similar to ROX by spectral characteristics. BDP TR has a long excitation lifetime; thus, it can be used in various fluorescence anisotropy assays besides conventional fluorescence microscopy.

As an alternative to alkynes, dibenzocyclooctyne (DBCO) readily reacts with azides via copper-free click reaction (SPAAC), resulting in BDP TR-biomolecule conjugates.



Structure of BDP TR DBCO

General properties

Appearance:	copper-violet powder
Molecular weight:	724.63
Molecular formula:	$C_{42}H_{35}N_4BF_2O_3S$
Solubility:	good in DMF, DMSO, DCM
Quality control:	NMR 1H , 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.
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:	589
ϵ , $L \cdot mol^{-1} \cdot cm^{-1}$:	60000
Emission maximum, nm:	616
Fluorescence quantum yield:	0.9

BDP® is a trademark of Lumiprobe