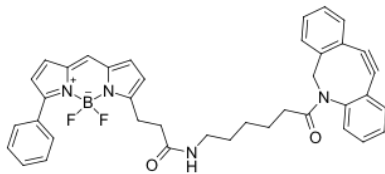


## BDP R6G DBCO

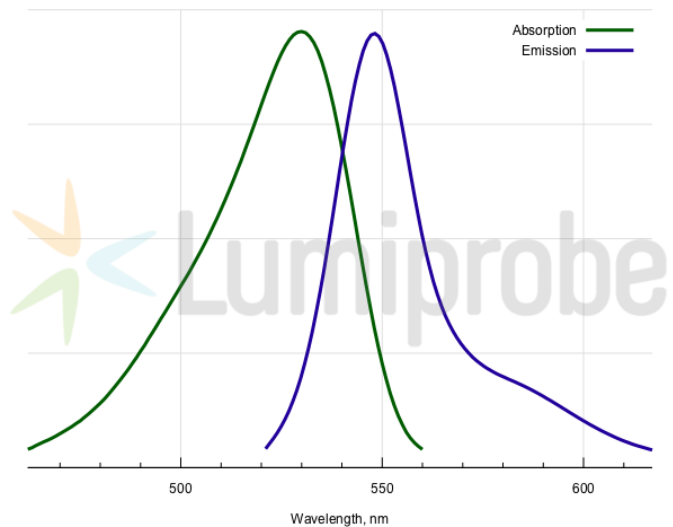
BDP R6G is a bright and photostable substitute for Rhodamine 6G (R6G). BDP stands for borondipyrromethene, a versatile fluorophore scaffold that is specially tuned in this molecule to match absorption and emission of R6G.

DBCO (azodibenzocyclooctyne) is a strained cyclic alkyne that reacts rapidly with azides giving rise to stable triazoles. The reaction does not require to use any catalyst; it is tolerant to most biologically important functional groups.

BDP R6G DBCO is useful for the synthesis of fluorescent conjugates and visualization of azide groups bound to biomolecules and surfaces.



**Struktur von BDP-R6G-DBCO**



**Absorptions- und Emissionsspektren von BDP R6G**

### Allgemeine Eigenschaften

Erscheinungsform:	farbloser Feststoff
Gewichtsspezifisches M+-Inkrement:	640.3
Molekülmasse:	640.53
Molekülformel:	$C_{39}H_{35}N_4BF_2O_2$
Löslichkeit:	
Qualitätskontrolle:	NMR $^1H$ , HPLC-MS (95%)
Lagerungsbedingungen:	Lagerung: 24 Monate nach Wareneingang bei $-20\text{ }^\circ\text{C}$ im Dunkeln. Transport: bei Raumtemperatur bis zu drei Wochen. Längere Lichteinwirkung vermeiden. Trocken lagern.
TN VED Code:	3204190000

### Spektrale Eigenschaften

Anregungsmaximum / nm:	530
Emissionsmaximum / nm:	548
Fluoreszenz-Quantenausbeute:	0.19
$CF_{260}$ :	0.17
$CF_{280}$ :	0.18