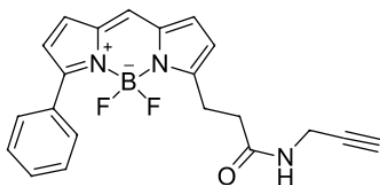


## BDP R6G alkyne

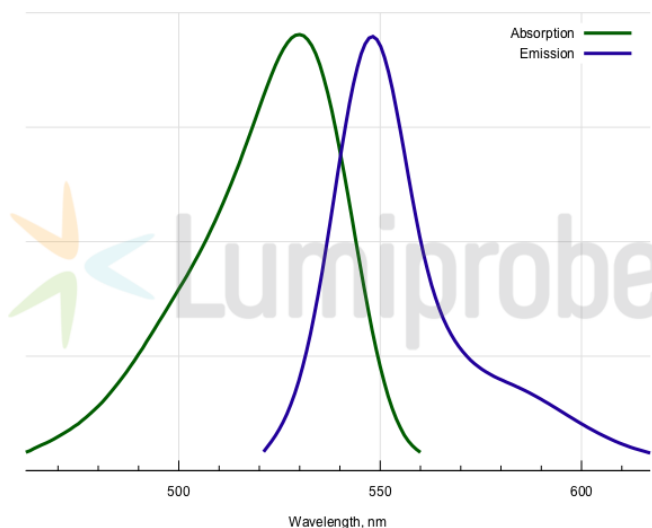
<http://www.lumiprobe.com/p/bodipy-r6g-alkyne>

BDP R6G is a bright and photostable dye whose absorption and emission spectra are similar to R6G (rhodamine 6G). Unlike the xanthene dye R6G, BDP R6G belongs to the borondipyrromethene class.

This is a terminal alkyne for copper-catalyzed click chemistry.



**Structure of BDP R6G alkyne**



**Absorption and emission spectra of BODIPY R6G**

### General properties

Appearance:	yellow to brown solid
Mass spec M+ increment:	377.15
Molecular weight:	377.2
CAS number:	2006345-31-7
Molecular formula:	C <sub>21</sub> H <sub>18</sub> N <sub>3</sub> BF <sub>2</sub> O
IUPAC name:	N-propargyl-3-(3-(4,4-Difluoro-5-phenyl-3a,4a-diaza-4-bora-s-indacen-3-yl)propionamide
Solubility:	good in DMF, DMSO, DCM
Quality control:	NMR <sup>1</sup> H, 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. Desiccate.

### Spectral properties

Excitation/absorption maximum, nm:	530
Emission maximum, nm:	548
Fluorescence quantum yield:	0.96
CF <sub>260</sub> :	0.17
CF <sub>280</sub> :	0.18

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