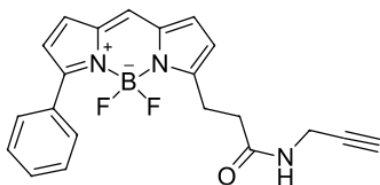


BDP® R6G alkyne

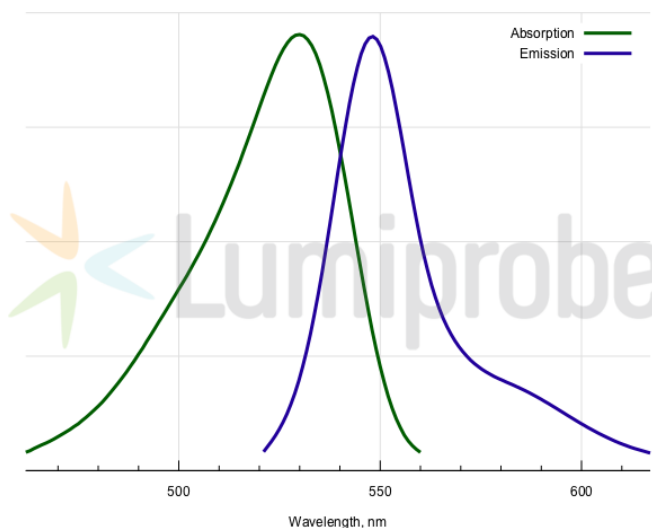
<http://www.lumiprobe.com/p/bdp-r6g-alkyne>

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 BDP 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 ₂₁ H ₁₈ N ₃ BF ₂ 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 ¹ 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.
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:	530
Emission maximum, nm:	548
Fluorescence quantum yield:	0.96
CF ₂₆₀ :	0.17
CF ₂₈₀ :	0.18

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