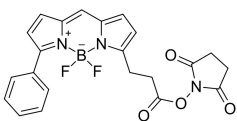


## BDP R6G NHS ester (A270105)

### Specifications:

Name:	BDP R6G NHS ester
Description:	BDP R6G NHS ester is an amine-reactive borondipyrromethene dye (an analog of BODIPY® R6G NHS ester) that has absorption and emission spectra similar to R6G. BDP R6G is a bright and photostable dye that exhibits long living fluorescence that has little pH dependence. Due to the long fluorescence lifetime, this dye is useful for fluorescence polarization assays, and for two-photon experiments. The NHS ester function can be conjugated with various amine groups, including those present in proteins and peptides.
Absorption Maxima:	530 nm
Extinction Coefficient:	76000 M <sup>-1</sup> cm <sup>-1</sup>
Emission Maxima:	548 nm
Fluorescence Quantum Yield:	0.96
CAS Number:	335193-70-9, 1443457-59-7
CF <sub>260</sub> :	0.17
CF <sub>280</sub> :	0.18
Mass Spec M <sup>+</sup> Shift after Conjugation:	322.1
Purity:	95% (by 1H NMR and HPLC-MS).
Molecular Formula:	C <sub>22</sub> H <sub>18</sub> BF <sub>2</sub> N <sub>3</sub> O <sub>4</sub>
Molecular Weight:	437.21 kDa
Product Form:	Dark-green crystals.
Solubility:	Good in DMF, DMSO, and DCM.
Storage:	Shipped at room temperature. Upon delivery, store in the dark at -20°C. Avoid prolonged exposure to light. Desiccate.
Disclaimer:	This product is for research use only. It is not intended for diagnostic or therapeutic use.

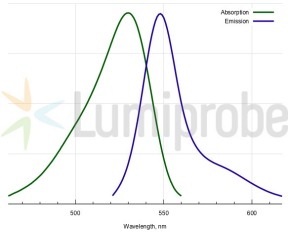
### Images:



Structure of BDP R6G NHS ester.

**BDP R6G NHS ester (A270105)**

Images continued:



Absorption and emission spectra of BDP R6G fluorophore.