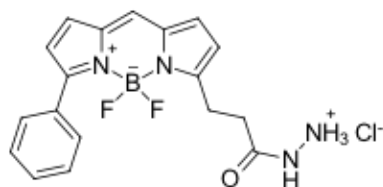


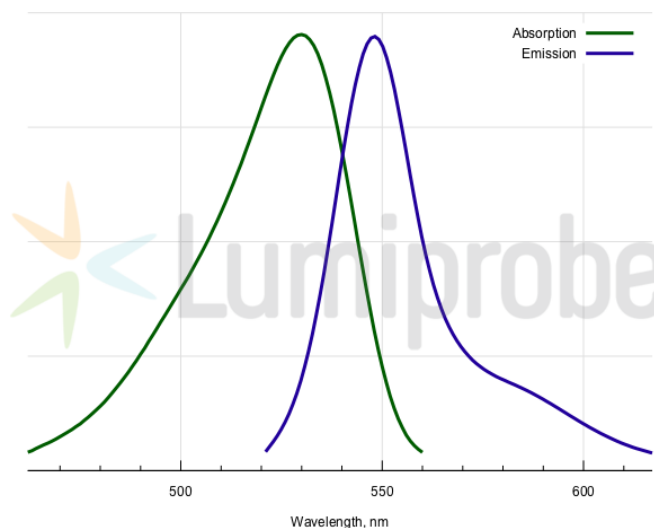
BDP R6G hydrazide

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

BDP R6G is a borondipyrromethene dye whose absorption and emission spectra resemble those of R6G (rhodamine 6G). This hydrazide is a carbonyl-reactive compound that is useful for the labeling of aldehydes, ketones, and most carbohydrates (oxidized with periodate).



Structure of BDP R6G hydrazide



Absorption and emission spectra of BDP R6G

General properties

Appearance:	brown powder
Mass spec M+ increment:	336.1
Molecular weight:	390.62
Molecular formula:	C ₁₈ H ₁₈ N ₄ BCIF ₂ O
Solubility:	good in DMF, DMSO
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.

Spectral properties

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