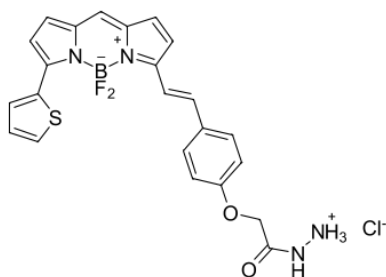


BDP 630/650 hydrazide

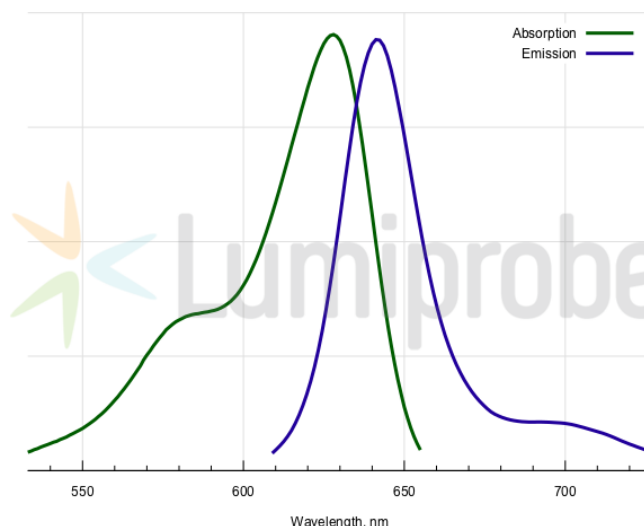
<http://www.lumiprobe.com/p/bodipy-630-650-hydrazide>

BDP 630/650 is a red emitting dye which is based on the borodipyrromethene scaffold. This is a carbonyl reactive dye that is useful for the labeling of aldehydes and ketones, including sugars.

BDP 630/650 fluorophore is particularly useful for fluorescence polarization assays.



Structure of BDP 630/650 Hydrazide



Absorption and emission spectra of BDP 630/650

General properties

Appearance:	dark colored solid
Mass spec M+ increment:	446.1
Molecular weight:	500.76
Molecular formula:	C ₂₃ H ₂₀ N ₄ BClF ₂ O ₂ S
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:	628
ε, L·mol ⁻¹ ·cm ⁻¹ :	97000
Emission maximum, nm:	642
Fluorescence quantum yield:	0.91
CF ₂₆₀ :	0.029
CF ₂₈₀ :	0.035

BDP® is a trademark of Lumiprobe