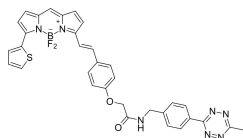


BDP 630/650 tetrazine (A270083)

Specifications:

Name:	BDP 630/650 tetrazine
Description:	BDP 630/650 is a borondipyrromethene dye with red emission. This fluorophore matches Cyanine 5 channel that is often used when minimal background is desired. Tetrazines react with trans-cyclooctenes in an ultra fast reaction called TCO ligation.
Absorption Maxima:	628 nm
Extinction Coefficient:	97000 M ⁻¹ cm ⁻¹
Emission Maxima:	642 nm
Fluorescence Quantum Yield:	0.91
CF ₂₆₀ :	0.029
CF ₂₈₀ :	0.035
Mass Spec M ⁺ Shift after Conjugation:	605.2
Purity:	95% (by ¹ H NMR and HPLC-MS).
Molecular Formula:	C ₃₃ H ₂₆ N ₇ BF ₂ O ₂ S
Molecular Weight:	633.48 kDa
Product Form:	Dark colored solid.
Solubility:	Good in many organic solvents.
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.

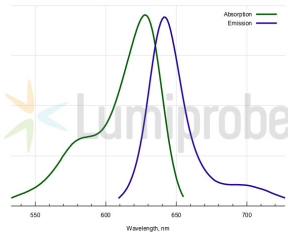
Images:



Structure of BDP 630/650 tetrazine.

BDP 630/650 tetrazine (A270083)

Images continued:



Absorption and emission spectra of BDP 630/650.