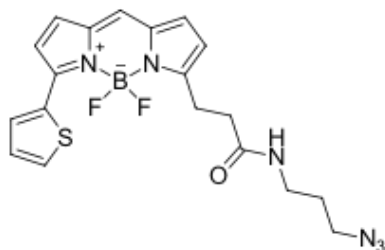


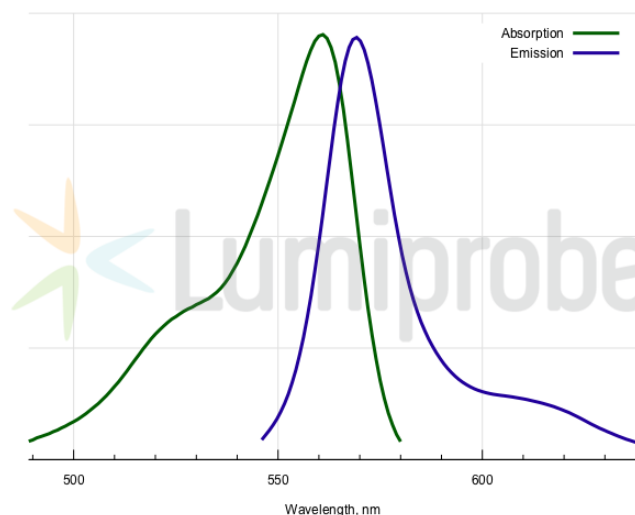
BDP 558/568 azide

<http://www.lumiprobe.com/p/bodipy-558-568-azide>

BDP 558/568 azide is a borondipyrromethene dye with azide functional group for click chemistry. Its spectra are close to Cyanine3 channel. The fluorophore has been used for lipid tracking as BDP 558/568 C₁₂, but azide functional groups allow easy conjugation with a wide variety of other molecules of interest.



Structure of BDP 558/568 azide



Absorption and emission spectra of BDP 558/568

General properties

Appearance:	dark colored solid
Mass spec M+ increment:	428.1
Molecular weight:	428.27
Molecular formula:	C ₁₉ H ₁₉ N ₆ BF ₂ OS
Solubility:	soluble in many organic solvents (DCM, acetone, alcohols, DMF, DMSO), low solubility in water
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:	561
ε, L·mol ⁻¹ ·cm ⁻¹ :	84400
Emission maximum, nm:	569
Fluorescence quantum yield:	0.68
CF ₂₆₀ :	0.00
CF ₂₈₀ :	0.07

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