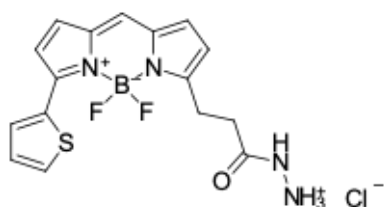


BDP 558/568 hydrazide

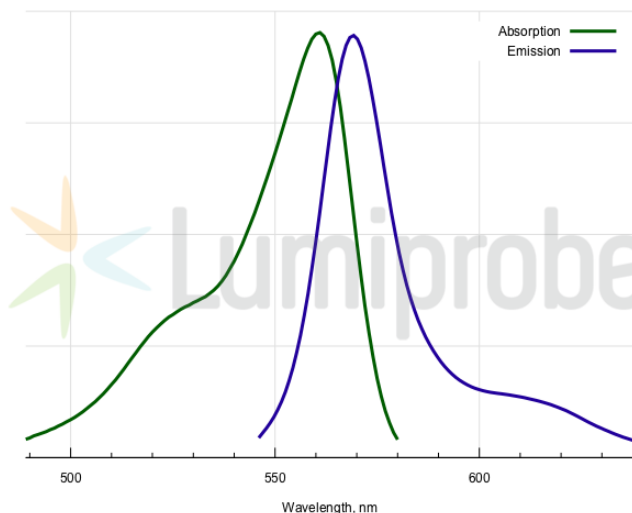
<http://www.lumiprobe.com/p/bodipy-558-568-hydrazide>

Carbonyl groups of aldehyde/ketone type are very often found in natural and synthetic molecules. Aldehydes and ketones can be efficiently labeled with hydrazides with the formation of stable hydrazones.

This compound is a carbonyl reactive hydrazide derivative of BDP 558/568 dye which has its emission in yellow range of the spectrum.



Structure of BDP 558/568 hydrazide



Absorption and emission spectra of BDP 558/568

General properties

Appearance:	dark colored solid
Molecular weight:	396.65
Molecular formula:	C ₁₆ H ₁₆ N ₄ BClF ₂ OS
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:	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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