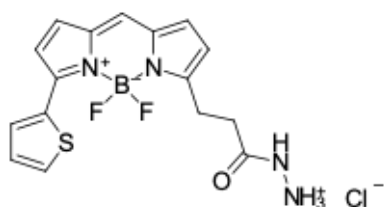


BDP 558/568 hydrazide

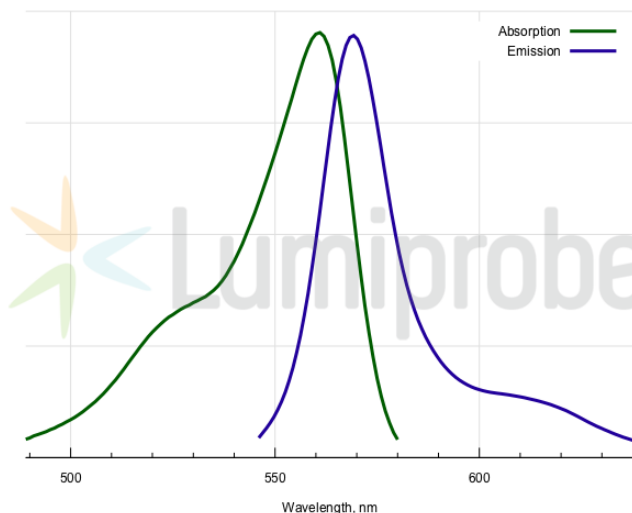
<http://www.lumiprobe.com/p/bdp-558-568-hydrazide>

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. |
| Legal statement: | This Product is offered and sold for research purposes only. It has not been tested for safety and efficacy in food, drug, medical device, cosmetic, commercial or any other use. Supply does not express or imply authorization to use for any other purpose, including, without limitation, in vitro diagnostic purposes, in the manufacture of food or pharmaceutical products, in medical devices or in cosmetic products. |

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 |