

Lumiprobe Corporation

115 Airport Dr Suite 160 Westminster, Maryland 21157

USA

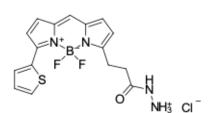
Phone: +1 888 973 6353 Fax: +1 888 973 6354 Email: order@lumiprobe.com

BDP® 558/568 hydrazide

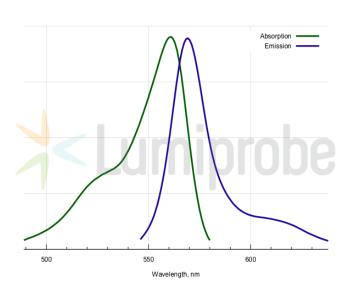
http://www.lumiprobe.com/p/bdp-558-568-hydrazide

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 the 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: $C_{16}H_{16}N_4BCIF_2OS$ Solubility: good in DMF, DMSO Quality control: NMR 1H , HPLC-MS (95%)

Storage conditions: Storage: 24 months after receival 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

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