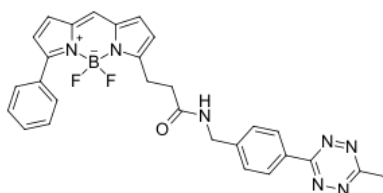


BDP® R6G tetrazine

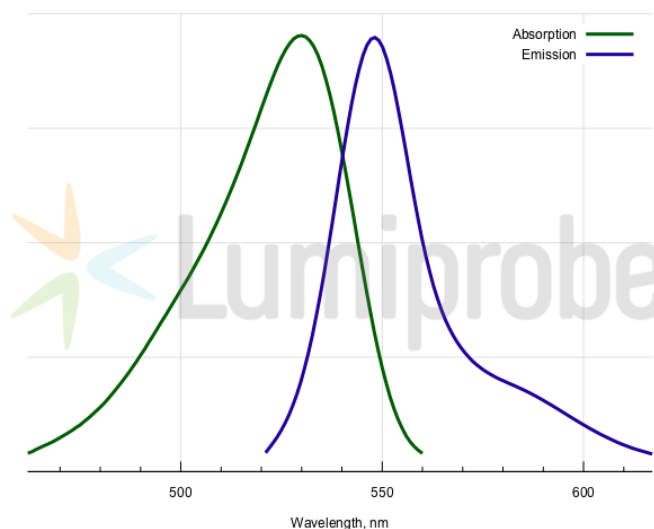
<http://www.lumiprobe.com/p/bdp-r6g-tetrazine>

BDP R6G is a borondipyrromethene dye with absorption and emission wavelengths close to rhodamine 6G (R6G). BDP R6G is a very bright and photostable dye.

Tetrazine fragment is used in inverse electron demand Diels Alder reaction with trans-cyclooctenes, acylazetines, and other strained olefins.



Structure of BDP R6G tetrazine



Absorption and emission spectra of BDP R6G

General properties

Appearance:	orange to brown solid
Mass spec M+ increment:	495.2
Molecular weight:	523.34
Molecular formula:	C ₂₈ H ₂₄ N ₇ BF ₂ O
Solubility:	good in DMF, DMSO, DCM, poorly soluble 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.
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:	530
Emission maximum, nm:	548
Fluorescence quantum yield:	0.96
CF ₂₆₀ :	0.17
CF ₂₈₀ :	0.18

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