

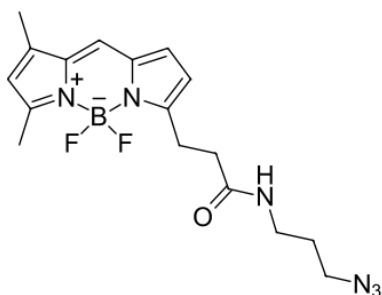
BDP FL azide

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

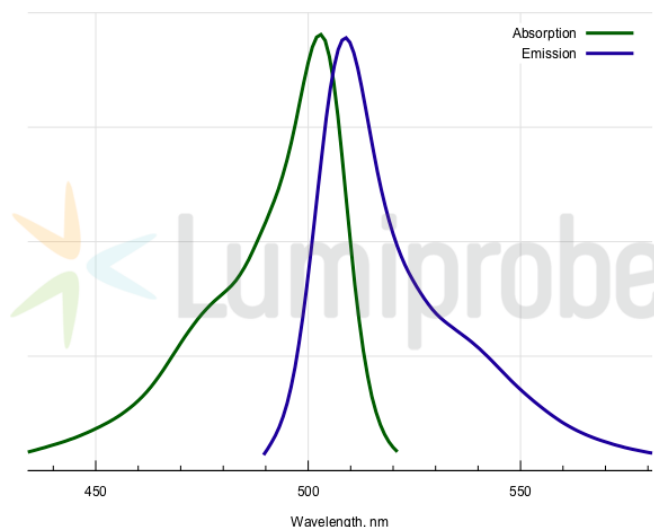
BDP FL azide is an analog of BODIPY® FL azide, a click chemistry capable of bright and photostable dye for the FAM channel.

This green-emitting fluorophore is compatible with all types of fluorescence measuring instruments for FAM (fluorescein).

The fluorophore is a representative of the borondipyrromethene class of fluorescent dyes, which possess high quantum yields in aqueous environments and high stability towards photobleaching.



Structure of BODIPY FL azide



Absorption and emission spectra of BDP FL

General properties

Appearance:	orange solid
Molecular weight:	374.20
CAS number:	1379771-95-5, 2243566-18-7
Molecular formula:	C ₁₇ H ₂₁ BF ₂ N ₆ O
Solubility:	soluble in organic solvents (alcohols, 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.

Spectral properties

Excitation/absorption maximum, nm:	503
ε, L·mol ⁻¹ ·cm ⁻¹ :	92000
Emission maximum, nm:	509
Fluorescence quantum yield:	0.97
CF ₂₆₀ :	0.015
CF ₂₈₀ :	0.027

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