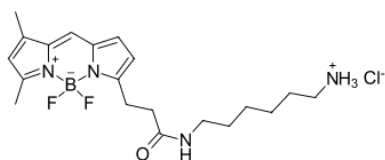


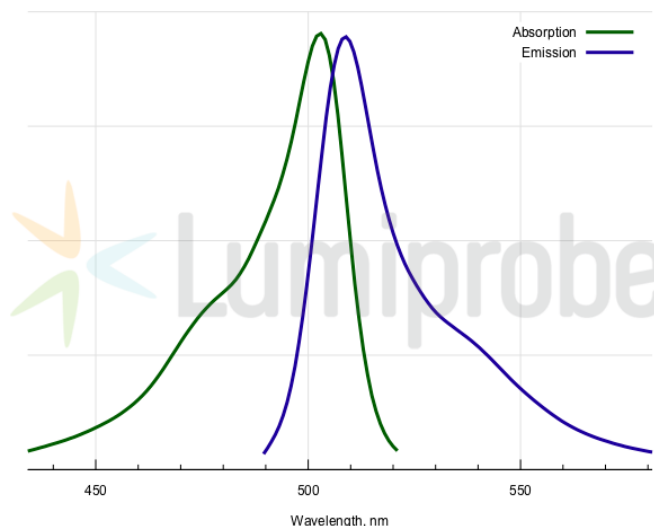
BDP FL amine

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

Amino derivative of BDP FL dye, a borondipyrromethene dye for FAM channel. This reagent possesses good aqueous solubility.



BODIPY FL amine structure



BODIPY FL absorption and emission spectra

General properties

| | |
|---------------------|---|
| Appearance: | orange solid |
| Molecular weight: | 426.74 |
| CAS number: | 2183473-03-0 |
| Molecular formula: | C ₂₀ H ₃₀ BClF ₂ N ₄ O |
| Solubility: | good in DMSO, DMF, methanol, water, limited solubility in acetonitrile, insoluble in DCM |
| 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: | 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 |

BDP® is a trademark of Lumiprobe