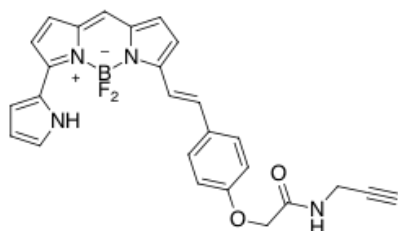


BDP 650/665 alkyne

<http://www.lumiprobe.com/p/bodipy-650-665-alkyne>

BDP 650/665 is a bright borondipyrromethene dye designed to fit Cy5 channel of various instruments. The terminal ethynyl group of BDP 650/665 alkyne can be easily conjugated with various azides using a copper-catalyzed Click chemistry reaction.



Structure of BDP 650/665 alkyne

General properties

| | |
|---------------------|---|
| Appearance: | dark colored solid |
| Molecular weight: | 470.28 |
| CAS number: | 2006345-40-8 |
| Molecular formula: | C ₂₆ H ₂₁ N ₄ BF ₂ O ₂ |
| Solubility: | soluble 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. |
| TN VED Code: | 3204190000 |

Spectral properties

| | |
|--|-------|
| Excitation maximum, nm: | 649 |
| ε, L·mol ⁻¹ ·cm ⁻¹ : | 94000 |
| Emission maximum, nm: | 667 |
| Fluorescence quantum yield: | 0.52 |
| CF ₂₆₀ : | 0.04 |
| CF ₂₈₀ : | 0.04 |