BDP FL amine

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

**BDIPY FL amine structure**

**BDIPY FL absorption and emission spectra**

### General properties
- **Appearance:** orange solid
- **Molecular weight:** 426.74
- **Molecular formula:** C<sub>20</sub>H<sub>30</sub>BF<sub>2</sub>N<sub>4</sub>O
- **Solubility:** good in DMSO, DMF, methanol, water, limited solubility in acetonitrile, insoluble in DCM
- **Quality control:** NMR <sup>1</sup>H, 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.
- **TN VED Code:** 3204190000

### Spectral properties
- **Excitation maximum, nm:** 503
- **ε, L⋅mol<sup>-1</sup>⋅cm<sup>-1</sup>:** 80000
- **Emission maximum, nm:** 509
- **Fluorescence quantum yield:** 0.97
- **CF<sub>260</sub>:** 0.015
- **CF<sub>280</sub>:** 0.027