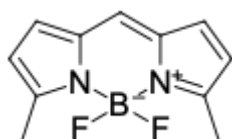


3,5-Dimethyl-BDP®

<http://www.lumiprobe.com/p/dimethyl-bdp-gas-phase>

Boron dipyrromethene (BDP)-based derivative very bright gas phase fluorescence. Vapours of 3,5-dimethyl-BDP have fluorescence that can be easily seen by naked eye when excited with a 365 nm LED torch. The bright fluorescence of BDP volatile dyes is a unique property. Gas-phase fluorescence excitation λ_{\max} = 494 nm; gas-phase fluorescence emission λ_{\max} = 499 nm.

The same property characteristic of gas-fluorescent BDP is also possessed by [BDP 505/515 lipid stain](#) (gas-phase $\lambda_{\max}(\text{ex})$ = 492 nm; $\lambda_{\max}(\text{em})$ = 497 nm).



Structure of 3,5-Dimethyl-BDP

General properties

| | |
|---------------------|---|
| Appearance: | red solid |
| Molecular weight: | 220.03 |
| Molecular formula: | $C_{11}H_{11}BF_2N_2$ |
| Quality control: | NMR ^1H and HPLC-MS (95+%) |
| Storage conditions: | 24 months after receipt at -20°C in the dark. Transportation: at room temperature for up to 3 weeks. Desiccate. |
| Legal statement: | Product is offered and sold for research purposes only. Product is not tested for safety and efficacy in food, drug, medical device, cosmetic, no express or implied authorization to use for any other purpose, including, without limitation, in vitro diagnostic purposes, for humans or animals or for commercial purposes. |

Spectral properties

| | |
|------------------------------------|-----|
| Excitation/absorption maximum, nm: | 494 |
| Emission maximum, nm: | 499 |

BDP® is a registered trademark of Lumiprobe