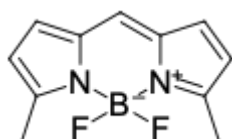


## 3,5-Dimethyl-BDP®

<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  $\lambda_{\text{max}} = 494 \text{ nm}$ ; gas-phase fluorescence emission  $\lambda_{\text{max}} = 499 \text{ nm}$ .

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



**Structure of 3,5-Dimethyl-BDP**

### General properties

Appearance:	red solid
Molecular weight:	220.03
Molecular formula:	$\text{C}_{11}\text{H}_{11}\text{BF}_2\text{N}_2$
Quality control:	NMR $^1\text{H}$ and HPLC-MS (95+%)
Storage conditions:	24 months after receipt at $-20^\circ\text{C}$ 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