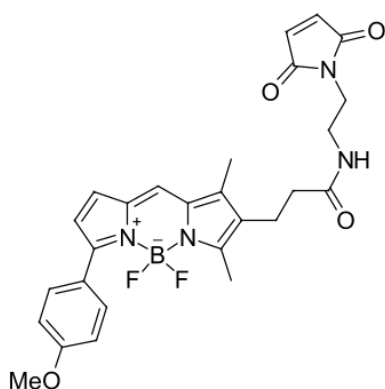


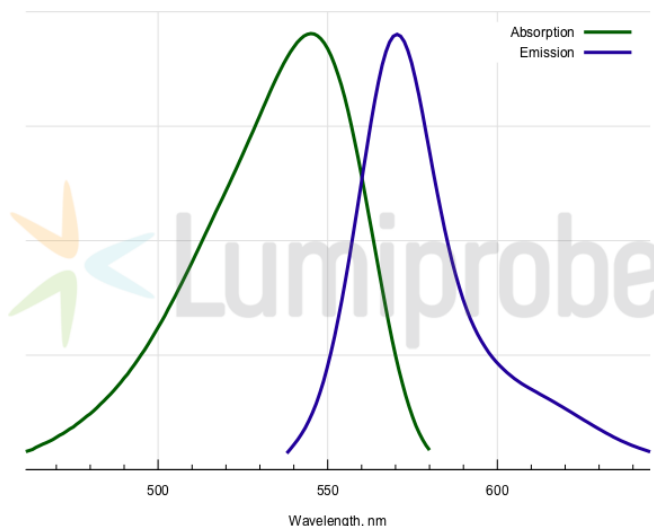
## BDP TMR maleimide

<http://www.lumiprobe.com/p/bodipy-tmr-maleimide>

BDP TMR is a bright borondipyrromethene fluorophore for the TAMRA channel. This maleimide derivative is suitable for conjugation with thiol groups as e.g. in protein side chains.



**Structure of BODIPY TMR maleimide**



**Absorption and emission spectra of BDP TMR**

### General properties

Appearance: purple powder

Mass spec 520.2

M+  
increment:

Molecular weight: 520.34

Molecular formula:  $C_{27}H_{27}BF_2N_4O_4$

IUPAC name: 2-(2-(N-maleimidoethylaminocarbonyl)-1,3-dimethyl-5-(4-methoxyphenyl)-4,4-difluoroborondipyrromethene

Solubility: good in DCM, DMF, DMSO

Quality control: NMR  $^1H$ , HPLC-MS (95%)

Storage conditions: Storage: 24 months after receipt at  $-20^\circ C$  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: 545

Emission maximum, nm: 570

Fluorescence quantum yield: 0.95

$CF_{260}$ : 0.16

$CF_{280}$ : 0.16