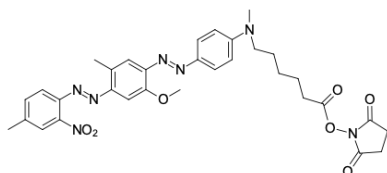


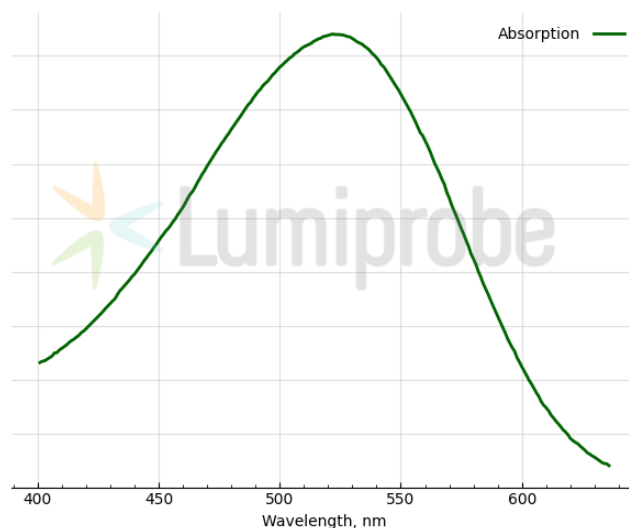
## DusQ® 1 NHS ester

<http://www.lumiprobe.com/p/bhq1-nhs-ester>

DusQ 1 NHS ester derivative is used for labeling with the primary amines of biomolecules. DusQ 1 is a dark quencher with an absorbance maximum of 522 nm, it can be used in qPCR probes applications, and multiplex assays. In FRET applications as an acceptor pairing with fluorophores, that emit in green to yellow range including [FAM](#), [JOE](#), [VIC](#), [R6G](#), [HEX](#), [TET](#).



**Structure of DusQ 1 NHS ester**



**Absorption spectrum of DusQ 1**

### General properties

Appearance:	dark powder
Molecular weight:	629.67
Molecular formula:	C <sub>32</sub> H <sub>35</sub> N <sub>7</sub> O <sub>7</sub>
Solubility:	good in DMF, DMSO
Quality control:	NMR <sup>1</sup> H and HPLC-MS (95+%)
Storage conditions:	12 months after receipt at -20°C in the dark. Transportation: at room temperature for up to 3 weeks. Desiccate. Avoid prolonged exposure to light.

### Spectral properties

Excitation/absorption maximum, nm:	522
ε, L·mol <sup>-1</sup> ·cm <sup>-1</sup> :	27300