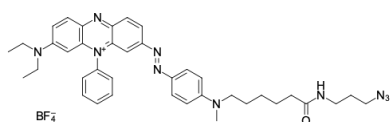


## DusQ® 3 azide

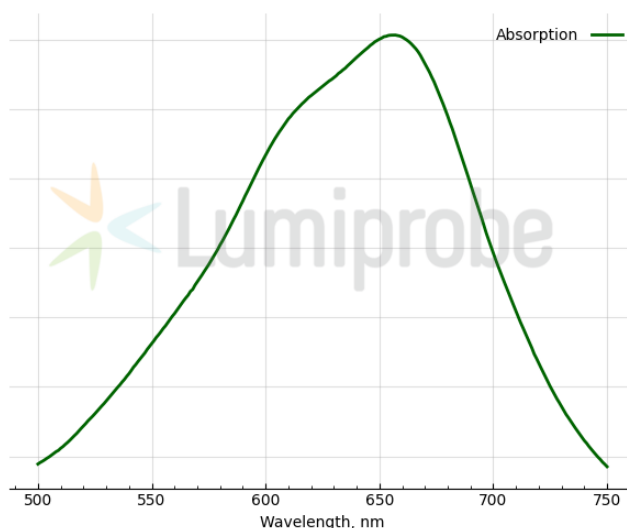
<http://www.lumiprobe.com/p/bhq3-azide>

DusQ® 3 azide is a highly reactive derivative for labeling alkyne-containing molecules in copper-catalyzed azide-alkyne cycloaddition (CuAAC) reactions. DusQ 3 azide is suitable for FRET-based probes for the *in vivo* detection and imaging.

DusQ 3 is typically used to quench in the range 620-730 nm, it is highly recommended as a quencher with red- or far-red-emitting rhodamine or cyanine dyes, such as [Cyanine 5](#), [Cyanine 5.5](#), [AF 647](#).



**Structure of DusQ 3 azide**



**Absorption spectrum of DusQ 3**

### General properties

Appearance:	deep purple flakes
Molecular weight:	744.65
Molecular formula:	C <sub>38</sub> H <sub>45</sub> BF <sub>4</sub> N <sub>10</sub> O
Solubility:	good in DMF, DMSO
Quality control:	NMR <sup>1</sup> H 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. Avoid prolonged exposure to light.
Legal statement:	This Product is offered and sold for research purposes only. It has not been tested for safety and efficacy in food, drug, medical device, cosmetic, commercial or any other use. Supply does not express or imply authorization to use for any other purpose, including, without limitation, <i>in vitro</i> diagnostic purposes, in the manufacture of food or pharmaceutical products, in medical devices or in cosmetic products.

### Spectral properties

Excitation/absorption maximum, nm:	657
ε, L·mol <sup>-1</sup> ·cm <sup>-1</sup> :	45500