

Lumiprobe Corporation

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USA

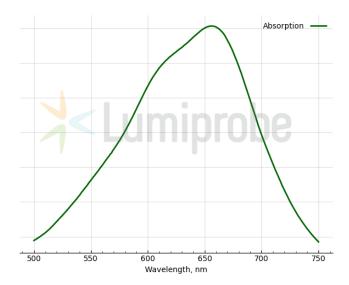
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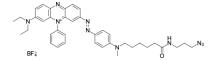
DusQ® 3 azide

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 <u>Cyanine 5</u>, <u>Cyanine 5</u>, <u>AF 647</u>.





Structure of DusQ 3 azide

Absorption spectrum of DusQ 3

General properties

Appearance: deep purple flakes

Molecular weight: 744.65

 $\label{eq:controller} \text{Molecular formula:} \qquad \qquad \text{C_{38}H$_{45}$BF$_4$N$_{10}$O}$

Solubility: good in DMF, DMSO

Quality control: NMR ¹H and HPLC-MS (95+%)

Storage conditions: 24 months after receival 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, in vitro 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⁻¹·cm⁻¹: 45500