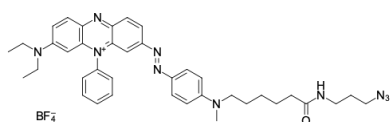


DusQ 3 azide

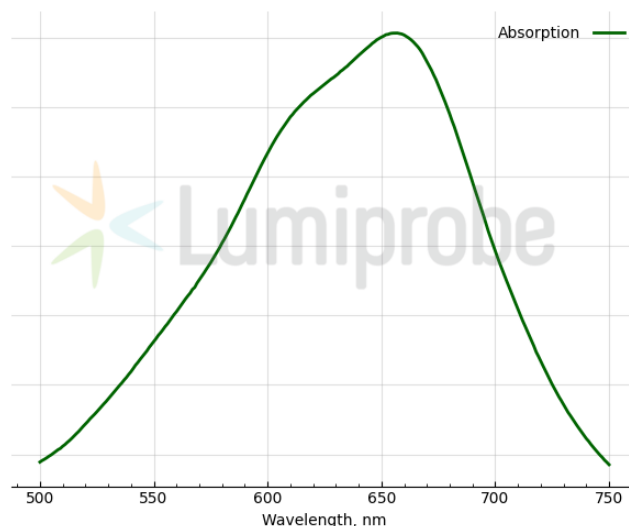
<http://www.lumiprobe.com/p/bhq3-azide>

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 ₃₈ H ₄₅ BF ₄ N ₁₀ O
Solubility:	good in DMF, DMSO
Quality control:	NMR ¹ 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.

Spectral properties

Excitation/absorption maximum, nm:	657
ε, L·mol ⁻¹ ·cm ⁻¹ :	45500