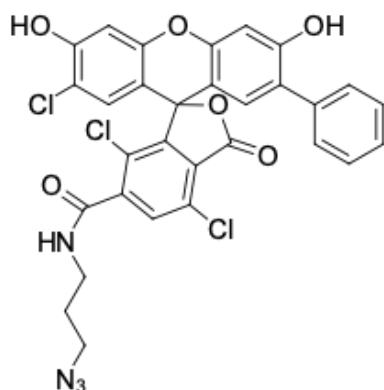


VIC azide, 6-isomer

<http://www.lumiprobe.com/p/vic-azide-6>

VIC is an asymmetric xanthene dye with spectral properties similar to [HEX](#) and [JOE](#). Oligonucleotides labeled with VIC are often used in real-time PCR; the preparation of such oligonucleotides can be performed using click chemistry. This derivative is an azide, a pure 6-isomer, for conjugating VIC to other molecules by copper-catalyzed and copper-free click reactions.



Structure of VIC azide, 6-isomer

General properties

Appearance:	orange powder
Molecular weight:	637.86
Molecular formula:	C ₃₀ H ₁₉ Cl ₃ N ₄ O ₆
Solubility:	very soluble in DMSO, DMF
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:	525
ε, L·mol ⁻¹ ·cm ⁻¹ :	103000
Emission maximum, nm:	546
Fluorescence quantum yield:	0.53
CF ₂₆₀ :	0.07
CF ₂₈₀ :	0.07