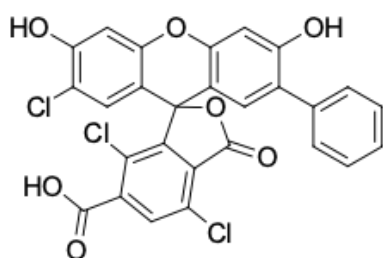


VIC carboxylic acid, 6-isomer

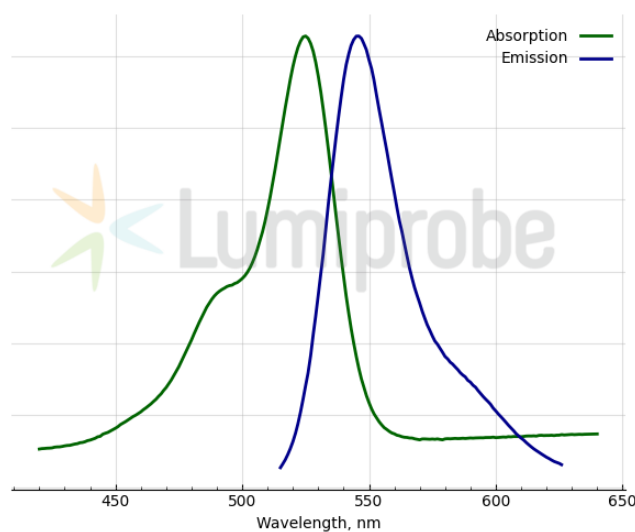
<http://www.lumiprobe.com/p/vic-carboxylic-acid-6>

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. This reagent is a pure 6-isomer.

VIC carboxylic acid is a non-reactive form of VIC dye that can be used as a reference standard in experiments involving VIC dye conjugates. Besides, the carboxylic group can react with hydrazines, hydroxylamines, and amines using carbodiimides such as EDAC.



Structure of VIC carboxylic acid, 6-isomer



Absorption and emission spectra of VIC

General properties

Appearance:	red powder
Molecular weight:	555.75
Molecular formula:	$C_{27}H_{13}Cl_3O_7$
Solubility:	DMSO, DMF, methanol
Quality control:	NMR 1H and HPLC-MS (95+%)
Storage conditions:	24 months after receipt at $-20^\circ C$ 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:	525
ϵ , $L \cdot mol^{-1} \cdot cm^{-1}$:	103000
Emission maximum, nm:	546
Fluorescence quantum yield:	0.53
CF_{260} :	0.07
CF_{280} :	0.07