

Lumiprobe Corporation

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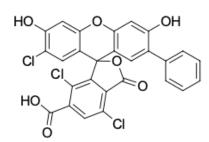
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VIC carboxylic acid, 6-isomer

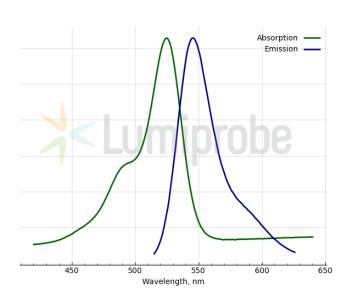
http://www.lumiprobe.com/p/vic-carboxylic-acid-6

VIC is an asymmetric xanthene dye with spectral properties similar to HEX and IOE. 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 555.75 Molecular weight: Molecular formula: C27H13CI3O7

Solubility: DMSO, DMF, methanol

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: 525 ϵ , L·mol⁻¹·cm⁻¹: 103000 Emission maximum, nm: 546 Fluorescence quantum yield: 0.53 CF₂₆₀: 0.07 CF₂₈₀: 0.07