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Cy5 Azide

Cat # ☐ FLUOR-020-01 ☐ FLUOR-020-05
Pack Size: ☐ 1mg ☐ 5 mg
Storage: -20°C in a dark place, ships Ambient

Introduction

Cy5 azide is a reactive dye containing an azide group which can participate in Click-Chemistry reactions. Cyanine5 is suitable for many different methods of fluorescence detection and can be easily detected in small quantities (nM) by naked human eye. The absorption spectrum for Cy5-azide is 646nm and the emission spectrum is at 662nm.

Product Specification:

Molecular Formula: $C_{35}H_{45}BrN_6O$

Molecular Weight: 645.690 g/mol

Exact Mass: 644.284g/mol

Physical state: Solid

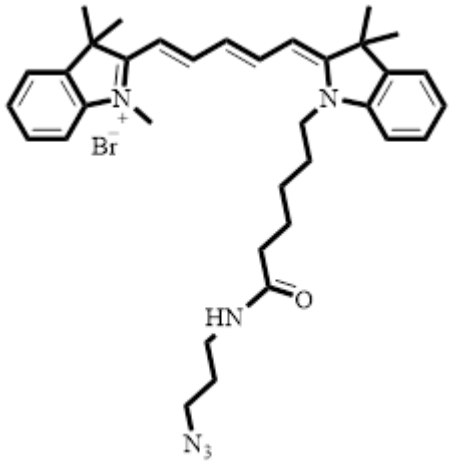
Color: Blue

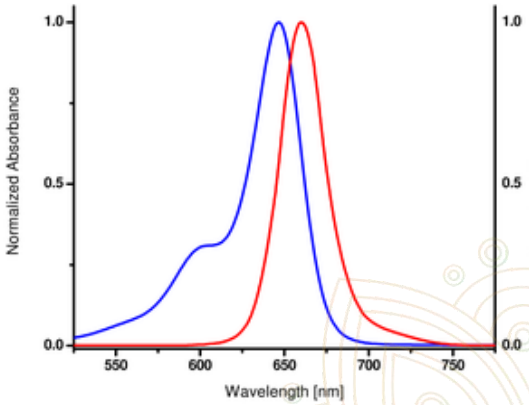
Solubility: soluble in DMSO, DMF, Dichloromethane and insoluble in water

Excitation: 646 nm, Emission: 662 nm (Recorded in DMSO)

Purity: >99% (HPLC), ^{1}H-NMR

Structure, Excitation and Emission spectra





Excitation: 646 nm, Emission: 662 nm

(Recorded in DMSO)

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