DATA SHEET

Jena Bioscience

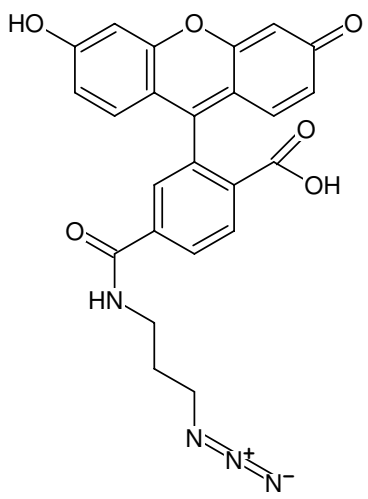
6-FAM-Azide

Abs/Em = 496/516 nm

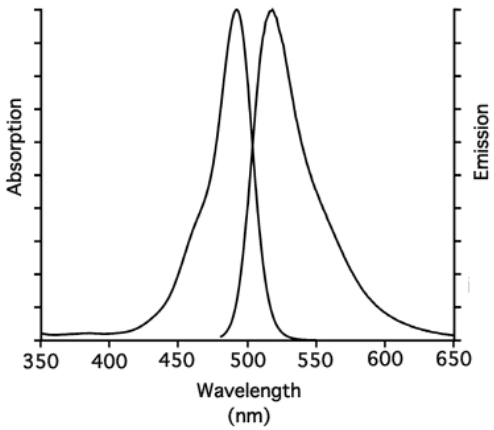
6-Fluorescein-Azide

N-(3-azidopropyl)-3',6'-dihydroxy-3-oxo-3H-spiro[isobenzofuran-1,9'-xanthene]-6-carboxamide

Cat. No.	Amount
CLK-80105-5	5 mg
CLK-80105-25	5 x 5 mg



Structural formula of 6-FAM-Azide



excitation and emission spectrum of 6-FAM

For general laboratory use.

Shipping: shipped at ambient temperature

Storage Conditions: store at -20 °C

Additional Storage Conditions: store dark

Shelf Life: 12 months after date of delivery

Molecular Formula: $C_{24}H_{20}N_4O_6$

Molecular Weight: 458.43 g/mol

Exact Mass: 458.12 g/mol

Purity: ≥ 90 % (HPLC)

Form: solid

Color: yellow to orange

Solubility: DMSO, DMF, MeOH

Spectroscopic Properties: λ_{abs} 496 nm, λ_{em} 516 nm, ε 83.0 L $mmol^{-1}$ cm^{-1}

Selected References:

Gramlich *et al.* (2008) Click-Click-Click: Single to Triple Modification of DNA. *Angew. Chem. Int. Ed.* **47**:3442.

Gramlich *et al.* (2008) Postsynthetic DNA Modification through the Copper-Catalyzed Azide–Alkyne Cycloaddition Reaction. *Angew. Chem. Int. Ed.* **47**:8350.

Zhan *et al.* (2005) Synthesis of hemicyanine dyes for 'click' bioconjugation. *Tetrahedron Letters* **46**:1691.