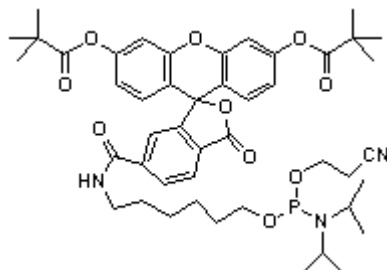




## 5'-Fluorescein CE Phosphoramidite (6-FAM)

Cat. No.: 08-2800-XX



### Properties:

- **Formula:** C<sub>46</sub>H<sub>58</sub>N<sub>3</sub>O<sub>10</sub>P
- **Molecular Weight:** 843.95
- **Appearance:** off-white foam solid
- **Absorption Maximum (Lambda Max):** 494
- **Fluorescence Maximum:** 525
- **Spectral color:** green

Spectral properties measured in PCR buffer as 5'-labeled poly(T) oligo.

### Product Usage:

- **Synthesis Conditions:**

Prior to dilution ensure that all product is at the bottom of the vial. Dilute to the recommended concentration and mix thoroughly in the sealed vial to ensure that all contents are dissolved. If all the solution is not used during the synthesis, it can be stored under argon and its functionality maintained up to 48 hours.

- **Dilution:**

100 μmol/1mL

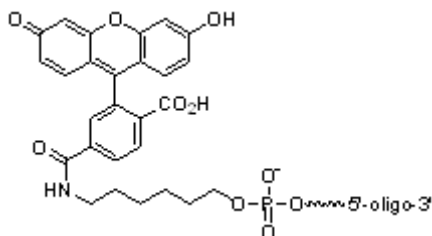
- **Deprotection Conditions:**

With fast deprotecting amidites (ie. C-Ac, G-DMF, G-PAC) use concentrated NH<sub>4</sub>OH for 1 hour at 60 °C. With base-sensitive fluorophores (eg. TAMRA) we recommend using t-butylamine/water (1:3) for 6 hours at 65 °C. With standard amidites (ie. C-Bz, G-iBu) use concentrated NH<sub>4</sub>OH for 5 hours at 60 °C. With base sensitive



fluorophores (eg. TAMRA) and standard amidites we recommend using t-butylamine/water (1:3) for 12-15 hours at 65°C.

Image of cleaved and deprotected structure:



- **The mass this product adds after conjugation and work-up (the additional mass seen by mass spectrometry) is: 537.46**

## Storage and Handling:

- **Shipping Conditions:**

Cold

- **Storage Conditions:**

-15 to -30 °C