

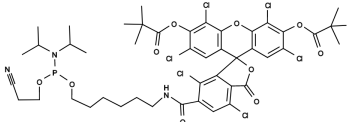
6-HEX phosphoramidite [5'-Hexachlorofluorescein phosphoramidite]

Catalog number: 6024, 6026
Unit size: 10x100 umoles, 100 μmoles

Product Details

| | |
|--------------------|---|
| Storage Conditions | Freeze (<-15 °C), Minimize light exposure |
| Expiration Date | 6 months upon receiving |

Chemical Properties

| | |
|--------------------|---|
| Appearance | White solid |
| Molecular Weight | 1050.61 |
| Soluble In | MeCN |
| Chemical Structure |  |

Spectral Properties

| | |
|-----------------------|--------|
| Excitation Wavelength | 533 nm |
| Emission Wavelength | 559 nm |

Applications

There are several ways of labeling an oligonucleotide with fluorescein. The choice of label is diversified further, depending on the spectral requirements. 5'-fluorescein-CE phosphoramidite, derived from the single isomer 6-carboxyfluorescein, 5'-hexachlorofluorescein-CE phosphoramidite (HEX) and 5'-tetrachlorofluorescein-CE phosphoramidite (TET) can all be used to efficiently label an oligonucleotide at the 5'-end. Labeling the 3'-end of an oligo with fluorescein can be achieved using 3'-Fluorescein CPGs. Standard cleavage and deprotection with ammonium hydroxide liberates the fluorescein-labeled oligo when using any of these supports.