# 6-JOE Phosphoramidite

Catalog number: 6047, 6048, 6049
Unit size: 100 umoles, 1 g, 50 umoles

## Product Details

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

## Chemical Properties

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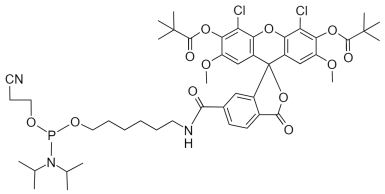
|---|---|
| Appearance | White solid |
| Molecular Weight | 972.89 |
| Soluble In | MeCN |
| Chemical Structure |  |

## Spectral Properties

| | |
|---|---|
| Excitation Wavelength | 520 nm |
| Emission Wavelength | 545 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-FAM, 6-HEX, 6-TET and 6-JOE, 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. AAT Bioquest offers 6-FAM, 6-HEX, 6-TET and 6-JOE phosphoramidites for effectively labeling oligos. AAT Bioquest offers 6-JOE Phosphoramidite to facilitate the labeling of oligos with JOE. Helix Fluor™ 6-JOE Phosphoramidite can be conveniently used to prepare the oligos that have essentially identical spectral and biological properties to the ones that are derived from 6-JOE, SE.