

# Product Data Sheet

Date of Issue: 26 Feb 2024

## 1. Product Information

- Product Name : 6-HEX NA NHS ester
- Catalog Number : SHNS1030
- Packing Unit : 1, 5, 25 mg
- Appearance : Pink Solid
- Storage Conditions : Store at -20 °C in a dark

## 2. Additional Information

- Fluorophore Label : Fluorescein
- Molecular Weight : 680.05
- Excitation<sub>Max</sub> : 534
- Emission<sub>Max</sub> : 549

## 3. Description

6-HEX NA NHS ester is a pink fluorescent dye producing a stable fluorescent signal in bioimaging. Optical properties of 6-HEX NA are similar to that of HEX, JOE, VIC and Cal Fluor 560. The excitation and emission maxima of 6-HEX are at 534/549 nm. NHS esters readily react with amino groups of biomolecules such as the  $\epsilon$ -amino group of lysine or the amine termini of modified nucleotides to form stable amide bonds between dyes and biomolecules. We offer 6-HEX NA NHS ester for labeling biomolecules and amino-modified oligonucleotides in solid phase oligonucleotide synthesis.