

# Product Data Sheet

Date of Issue: 26 Feb 2024

## 1. Product Information

- Product Name : 5-HEX NA NHS ester
- Catalog Number : SHNS1031
- 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

## 3. Description

5-HEX NA NHS ester is a pink fluorescent dye used to generate stable fluorescent signals in bioimaging. This dye can be used as a replacement for HEX, JOE, VIC, CAL and Fluor orange 560. NHS esters readily react with amino groups of proteins, such as the  $\epsilon$ -amino group of lysine or the amine terminus of modified nucleotides, forming chemically stable amide bonds between dyes and biomolecules. We offer 5-HEX NA NHS ester for labeling biomolecules and amino-modified oligonucleotides in solid phase oligonucleotide synthesis.