

Product Data Sheet



Sulfo-Cyanine 3 NHS ester [equivalent to Sulfo Cy3® NHS ester] Catalog ID: 150301

Revised: 2025-01-31

Description

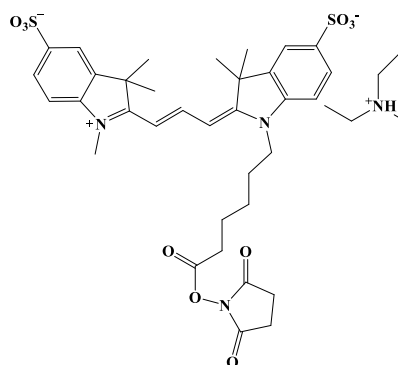
The water-soluble, amino-reactive sulfo-Cyanine3 NHS ester efficiently labels proteins and peptides in purely aqueous solutions without requiring organic co-solvents. It is particularly ideal for proteins with low solubility or those prone to denaturation.

This dye is sulfonated, hydrophilic, and water-soluble. For applications requiring a non-sulfonated version, Cyanine3 NHS ester is also available.

This product serves as an analog of Cy3® NHS ester and is a suitable replacement for Cy3® and DyLight 549 in all applications.

Chemical Properties

CAS number	1424150-38-8
Formula	C ₄₀ H ₅₄ N ₄ O ₁₀ S ₂
Molecular Weight	815.01
HPLC Purity	≥95%
λ _{abs} (nm)	548
ε _{max} (M ⁻¹ cm ⁻¹)	1.62×10 ⁵
λ _{fl} (nm)	563
CF ₂₆₀ = ε ₂₆₀ /ε _{max}	NA
CF ₂₈₀ = ε ₂₈₀ /ε _{max}	NA



Storage

Upon receipt, store at -20°C in the dark. Protect from light and moisture. When stored as indicated, Sulfo-Cyanine 3 NHS ester is stable for at least 1 year.

This product is for Research Use Only. Not for Human or Veterinary or Therapeutic Use

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