

Sulfo-Cyanine 5.5 NHS ester [equivalent to Cy5.5® NHS ester] Catalog ID: 150901

Revised: 2025-01-31

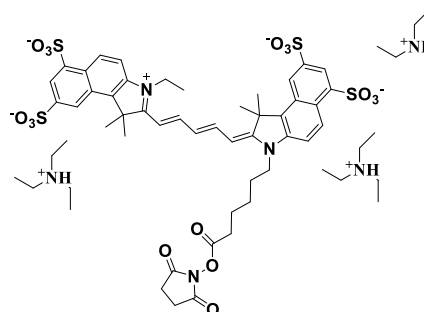
Description

Sulfo-Cyanine5.5 NHS ester is an amine-reactive activated ester of the sulfonated far-red Cyanine5.5 fluorophore, serving as an analog of Cy5.5®. It is the preferred reagent for labeling antibodies, sensitive proteins, and other biomolecules that require reactions in purely aqueous environments or with minimal use of organic co-solvents.

This dye is highly suitable for non-invasive in vivo near-infrared (NIR) imaging and applications where low fluorescent background is essential.

Chemical Properties

CAS number	910482-46-1
Formula	C ₆₃ H ₉₂ N ₆ O ₁₆ S ₄
Molecular Weight	1317.70
HPLC Purity	≥95%
λ _{abs} (nm)	683
ε _{max} (M ⁻¹ cm ⁻¹)	2.5×10 ⁵
λ _{fl} (nm)	703
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 5.5 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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