

Product Data Sheet



Sulfo-Cyanine3.5 NHS ester [equivalent to Sulfo-Cy3.5® NHS ester] Catalog ID: 150501

Revised: 2025-01-31

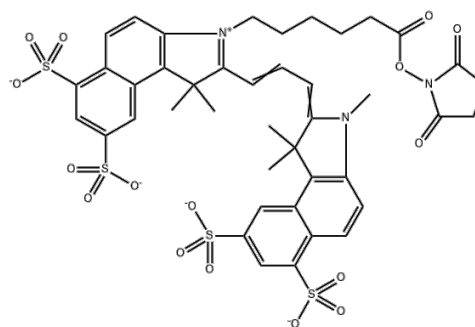
Description

Cyanine3.5 is a fluorescent dye with absorption and emission properties that fall between those of Cyanine3 and Cyanine5. The sulfonated variant of this dye includes four sulfo groups, which enhance its solubility and hydrophilicity, as well as that of the labeled conjugates.

The NHS ester reactive group enables the dye to label primary and secondary amine groups effectively.

Chemical Properties

CAS number	2231670-91-8
Formula	C ₄₂ H ₄₀ N ₃ O ₁₆ S ₄
Molecular Weight	971.03
HPLC Purity	≥95%
λ _{abs} (nm)	576
ε _{max} (M ⁻¹ cm ⁻¹)	1.39×10 ⁵
λ _{fl} (nm)	603
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 3.5 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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