

## Sulfo-Cyanine 7.5 NHS ester [equivalent to Cy7.5® NHS ester] Catalog ID: 151301

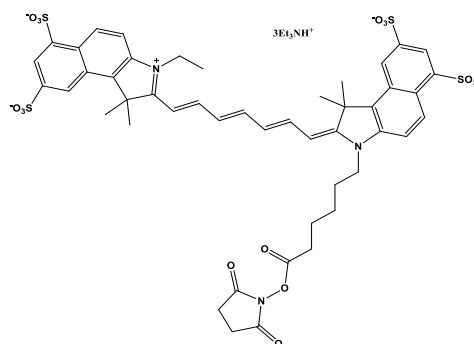
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### Description

Sulfo-Cyanine7.5 is a water-soluble, hydrophilic near-infrared (NIR) dye designed for NIR imaging applications. Its structure and spectral properties are similar to indocyanine green (ICG), a dye long approved for human use. However, unlike ICG, Sulfo-Cyanine7.5 features a trimethylene bridge, which enhances its quantum yield, and includes a linker arm for attaching to proteins, peptides, and other molecules. This derivative is an NHS ester, making it suitable for modifying amine groups.

### Chemical Properties

CAS number	NA
Formula	C <sub>65</sub> H <sub>94</sub> N <sub>6</sub> O <sub>16</sub> S <sub>4</sub>
Molecular Weight	1343.73
HPLC Purity	≥95%
λ <sub>abs</sub> (nm)	785
ε <sub>max</sub> (M <sup>-1</sup> cm <sup>-1</sup> )	2.5×10 <sup>5</sup>
λ <sub>fl</sub> (nm)	801
CF <sub>260</sub> = ε <sub>260</sub> /ε <sub>max</sub>	NA
CF <sub>280</sub> = ε <sub>280</sub> /ε <sub>max</sub>	NA



### Storage

Upon receipt, store at -20°C in the dark. Protect from light and moisture. When stored as indicated, Sulfo-Cyanine 7.5 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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