

# Product Data Sheet



## UGA 555 NHS ester [equivalent to Alexa Fluor 555 NHS ester] Catalog ID: 120702

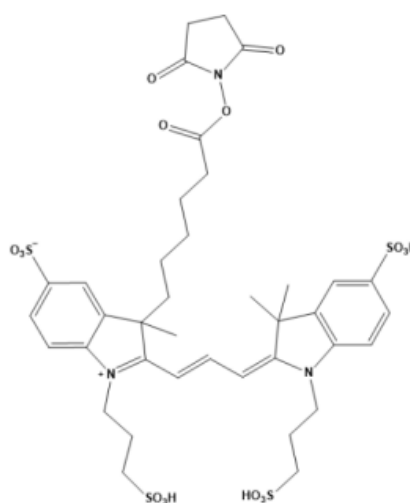
Revised: 2025-01-31

### Description

UGA 555 is a bright orange-fluorescent dye. It is widely used for reliable signal generation in imaging and flow cytometry applications. UGA 555 dye is water-soluble and maintains stability across a pH range of 4 to 10. In addition to reactive dye formulations, UGA 555 dye is available conjugated to a variety of antibodies, peptides, proteins, tracers, and amplification substrates, making it an excellent choice for cellular labeling and detection.

### Chemical Properties

CAS number	NA
Formula	C <sub>38</sub> H <sub>47</sub> N <sub>3</sub> O <sub>16</sub> S <sub>4</sub>
Molecular Weight	930.04
HPLC Purity	≥95%
λ <sub>abs</sub> (nm)	555
ε <sub>max</sub> (M <sup>-1</sup> cm <sup>-1</sup> )	1.5×10 <sup>5</sup>
λ <sub>fl</sub> (nm)	565
CF <sub>260</sub> = ε <sub>260</sub> /ε <sub>max</sub>	0.08
CF <sub>280</sub> = ε <sub>280</sub> /ε <sub>max</sub>	0.08



### Storage

Upon receipt, store at -20°C in the dark. Protect from light and moisture. When stored as indicated, UGA NHS-esters are stable for at least 1 years.

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

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