

## UGA 594 NHS ester [equivalent to Alexa Fluor 594 NHS ester] Catalog ID: 120902

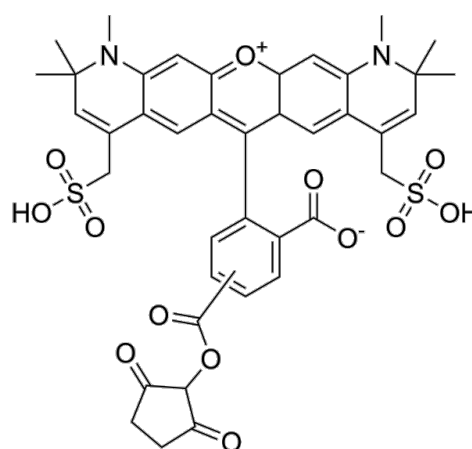
Revised: 2025-01-31

### Description

UGA 594 is a bright red-fluorescent dye. It is designed for consistent signal generation in imaging and flow cytometry, offering water solubility and stability across a pH range of 4 to 10. In addition to reactive dye formulations, UGA 594 dye is available conjugated to a variety of antibodies, peptides, proteins, tracers, and amplification substrates, making it highly effective for cellular labeling and detection.

### Chemical Properties

CAS number	295348-87-7
Formula	C <sub>39</sub> H <sub>37</sub> N <sub>3</sub> O <sub>13</sub> S <sub>2</sub>
Molecular Weight	819.85
HPLC Purity	≥90%
λ <sub>abs</sub> (nm)	590
ε <sub>max</sub> (M <sup>-1</sup> cm <sup>-1</sup> )	9×10 <sup>4</sup>
λ <sub>fl</sub> (nm)	617
CF <sub>260</sub> = ε <sub>260</sub> /ε <sub>max</sub>	0.43
CF <sub>280</sub> = ε <sub>280</sub> /ε <sub>max</sub>	0.56



### 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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