

UGA 532 NHS ester [equivalent to Alexa Fluor 532 NHS ester] Catalog ID: 120502

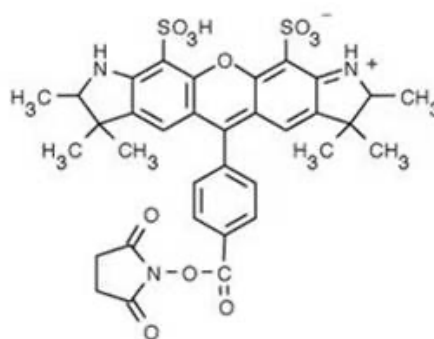
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Description

UGA 532 is a bright yellow-fluorescent dye with excitation ideally matched for the frequency-doubled Nd:YAG laser line. 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 532 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	477876-64-5
Formula	C ₃₄ H ₃₃ N ₃ O ₁₁ S ₂
Molecular Weight	723.77
HPLC Purity	≥95%
λ _{abs} (nm)	532
ε _{max} (M ⁻¹ cm ⁻¹)	8.1×10 ⁴
λ _{fl} (nm)	554
CF ₂₆₀ = ε ₂₆₀ /ε _{max}	0.24
CF ₂₈₀ = ε ₂₈₀ /ε _{max}	0.09



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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