

UGA 488 NHS ester [equivalent to Alexa Fluor 488 NHS ester] Catalog ID: 120402

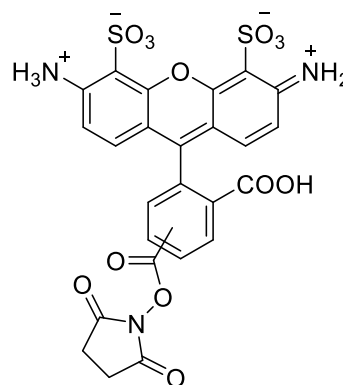
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Description

UGA 488 is a bright, green-fluorescent dye with optimal excitation for the 488 nm laser line. It is widely used for reliable signal generation in imaging and flow cytometry applications. UGA 488 dye is water-soluble and maintains stability across a pH range of 4 to 10. In addition to reactive dye formulations, UGA 488 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 ₂₅ H ₁₇ N ₃ O ₁₃ S ₂
Molecular Weight	631.54
HPLC Purity	≥90%
λ _{abs} (nm)	495
ε _{max} (M ⁻¹ cm ⁻¹)	7.1×10 ⁴
λ _{fl} (nm)	519
CF ₂₆₀ = ε ₂₆₀ /ε _{max}	0.30
CF ₂₈₀ = ε ₂₈₀ /ε _{max}	0.11



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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