

UGA 405 NHS ester [equivalent to Alexa Fluor 405 NHS ester] Catalog ID: 120202

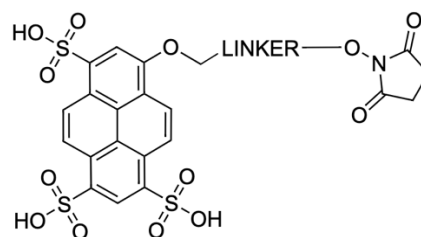
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Description

UGA 405 is a blue-fluorescent dye ideally suited for applications with the 405 nm violet laser. 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. Along with reactive dye formulations, UGA 405 dye is available conjugated to a wide range of antibodies, peptides, proteins, tracers, and amplification substrates, making it highly effective for cellular labeling and detection.

Chemical Properties

CAS number	NA
Formula	C ₄₆ H ₇₁ N ₅ O ₁₅ S ₃
Molecular Weight	1030.3
HPLC Purity	≥95%
λ _{abs} (nm)	401
ε _{max} (M ⁻¹ cm ⁻¹)	3.4×10 ⁴
λ _{fl} (nm)	421
CF ₂₆₀ = ε ₂₆₀ /ε _{max}	0.23
CF ₂₈₀ = ε ₂₈₀ /ε _{max}	0.70



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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