

UGO Rho101 NHS ester [equivalent to ATTO Rho101 NHS ester] Catalog ID: 111602

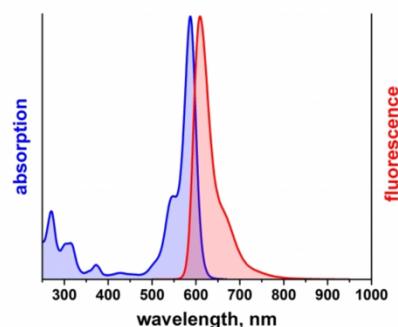
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Description

UGO Rho101 is a derivative of the well-known dye Rhodamine 101. It features strong absorption, an exceptionally high fluorescence quantum yield, and excellent thermal and photochemical stability. The dye is moderately hydrophilic and cationic, carrying a single positive charge after coupling to a substrate. Efficient fluorescence excitation occurs in the 570–600 nm range.

Chemical Properties

| | |
|---|---------------------|
| CAS number | NA |
| Formula | NA |
| Molecular Weight (M+) | 687 |
| HPLC Purity | ≥95% |
| λ_{abs} (nm) | 587 |
| ϵ_{max} (M ⁻¹ cm ⁻¹) | 1.2×10 ⁵ |
| λ_{fl} (nm) | 609 |
| η_{fl} | 80% |
| τ_{fl} (ns) | 4.2 |
| $CF_{260} = \epsilon_{260}/\epsilon_{\text{max}}$ | 0.18 |
| $CF_{280} = \epsilon_{280}/\epsilon_{\text{max}}$ | 0.17 |



Storage

Upon receipt, store at -20°C in the dark. Protect from light and moisture. When stored as indicated, UGO NHS-esters are stable for at least 3 years.

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

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