

UGO Rho11 NHS ester [equivalent to ATTO Rho11 NHS ester] Catalog ID: 111302

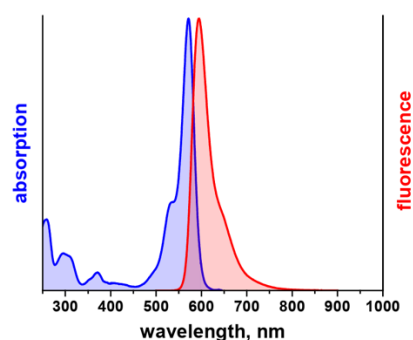
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Description

UGO Rho11 is a new fluorescent marker based on a rhodamine structure. It carries a functional group for coupling to biomolecules such as DNA, RNA, and proteins. UGO Rho11 exhibits a very high fluorescence quantum yield and exceptional photostability. The dye is moderately hydrophilic and cationic, carrying a single positive charge after coupling to a substrate. Efficient fluorescence excitation occurs in the 550–580 nm range.

Chemical Properties

| | |
|---|---------------------|
| CAS number | NA |
| Formula | NA |
| Molecular Weight (M+) | 664 |
| HPLC Purity | ≥95% |
| λ_{abs} (nm) | 572 |
| ϵ_{max} (M ⁻¹ cm ⁻¹) | 1.2×10 ⁵ |
| λ_{fl} (nm) | 595 |
| η_{fl} | 80% |
| τ_{fl} (ns) | 4.0 |
| $CF_{260} = \epsilon_{260}/\epsilon_{\text{max}}$ | 0.26 |
| $CF_{280} = \epsilon_{280}/\epsilon_{\text{max}}$ | 0.10 |



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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