

## UGO Rho12 NHS ester [equivalent to ATTO Rho12 NHS ester] Catalog ID: 111402

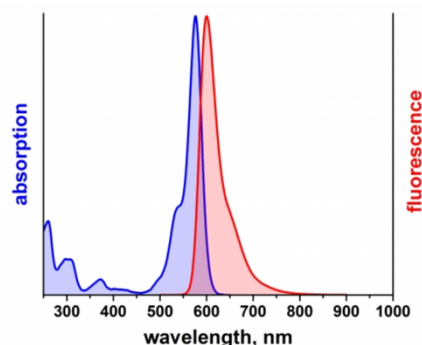
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### Description

UGO Rho12 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 Rho12 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+)	747
HPLC Purity	≥95%
$\lambda_{\text{abs}}$ (nm)	577
$\epsilon_{\text{max}}$ ( $\text{M}^{-1} \text{cm}^{-1}$ )	$1.2 \times 10^5$
$\lambda_{\text{fl}}$ (nm)	600
$\eta_{\text{fl}}$	80%
$\tau_{\text{fl}}$ (ns)	4.0
$\text{CF}_{260} = \epsilon_{260} / \epsilon_{\text{max}}$	0.26
$\text{CF}_{280} = \epsilon_{280} / \epsilon_{\text{max}}$	0.09



### Storage

Upon receipt, store at  $-20^{\circ}\text{C}$  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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