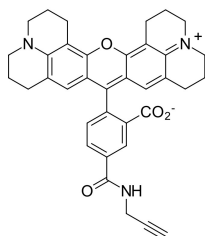


ROX alkyne, 5-isomer (A270260)

Specifications:

Name:	ROX alkyne, 5-isomer
Description:	With its quantum yield approaching unity, ROX has become a popular dye for qPCR and microscopy. This bright fluorophore is available as an alkyne for copper-catalyzed Click chemistry reaction. This is a pure 5-isomer of ROX. ROX is prone to oxidation. Therefore, its derivatives should be preferably stored in inert atmosphere.
Absorption Maxima:	570 nm
Extinction Coefficient:	93000 M ⁻¹ cm ⁻¹
Emission Maxima:	591 nm
Fluorescence Quantum Yield:	1.00
CAS Number:	2264016-88-6
Mass Spec M ⁺ Shift after Conjugation:	571.3
Purity:	95% (by ¹ H NMR and HPLC-MS).
Molecular Formula:	C ₃₆ H ₃₃ N ₃ O ₄
Molecular Weight:	571.66 kDa
Product Form:	Purple solid.
Solubility:	Good in DMSO, DMF, methanol, and ethanol.
Storage:	Shipped at room temperature. Upon delivery, store in the dark at -20°C. Avoid prolonged exposure to light. Desiccate.
Disclaimer:	This product is for research use only. It is not intended for diagnostic or therapeutic use.

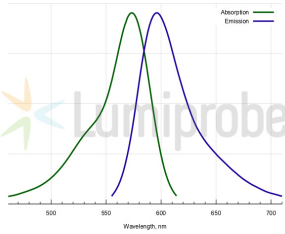
Images:



Structure of 5-ROX alkyne.

ROX alkyne, 5-isomer (A270260)

Images continued:



Absorption and emission spectra of ROX.