

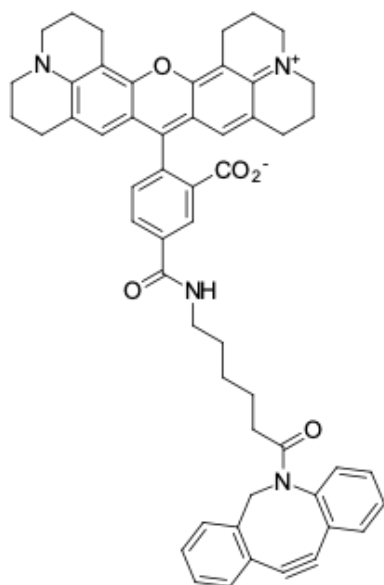
ROX DBCO, 5-isomer

<http://www.lumiprobe.com/p/rox-dbc-5>

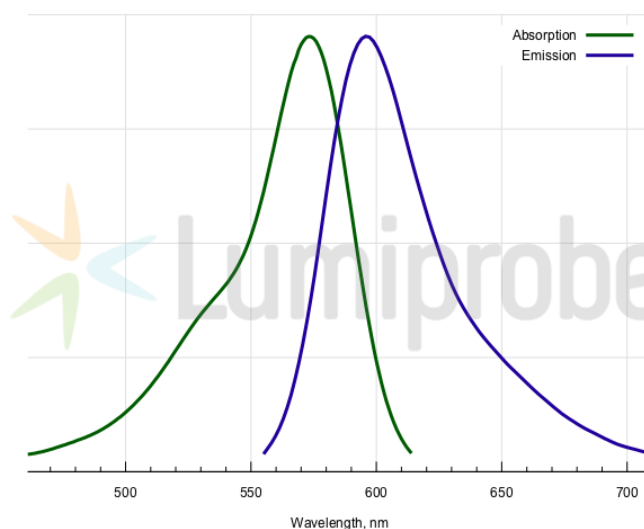
ROX DBCO is a conjugate of bright rhodamine dye rhodamine X, and DBCO (dibenzocyclooctyne) - a reactive group that contains a strained alkyne bond for the conjugation with azides.

This reagent is useful for the labeling of various azides with ROX dye.

This derivative contains pure 5-isomer of ROX.



Structure of 5-ROX DBCO



Absorption and emission spectra of ROX

General properties

Appearance:	red solid
Mass spec M+ increment:	834.4
Molecular weight:	835.00
Molecular formula:	C ₅₄ H ₅₀ N ₄ O ₅
Solubility:	good in DMF, DMSO
Quality control:	NMR ¹ H, HPLC-MS (90%)
Storage conditions:	Storage: 24 months after receipt at -20°C in the dark. Transportation: at room temperature for up to 3 weeks. Avoid prolonged exposure to light. Desiccate.
Legal statement:	This Product is offered and sold for research purposes only. It has not been tested for safety and efficacy in food, drug, medical device, cosmetic, commercial or any other use. Supply does not express or imply authorization to use for any other purpose, including, without limitation, in vitro diagnostic purposes, in the manufacture of food or pharmaceutical products, in medical devices or in cosmetic products.

Spectral properties

Excitation/absorption maximum, nm:	570
ε, L·mol ⁻¹ ·cm ⁻¹ :	93000
Emission maximum, nm:	591
Fluorescence quantum yield:	1.00