

5(6)-ROX [5-(and 6)-Carboxy-X-rhodamine] *CAS 198978-94-8*

Catalog Number: 380
Unit Size: 100 mg

Product Details

Storage Conditions	Freeze (< -15 °C), Minimize light exposure
Expiration Date	6 months upon receiving

Chemical Properties

Appearance	Solid purple
Molecular Weight	534.60
Soluble In	DMSO
Chemical Structure	

Spectral Properties

Excitation Wavelength	578 nm
Emission Wavelength	604 nm

Applications

ROX dyes are strongly red fluorescent. They have longer excitation and emission wavelengths than the 'conventional' rhodamines. These dyes are used to label peptides, proteins, and other biological ligands. 5-ROX, 6-ROX and their mixture 5(6)-ROX are used to label biomolecules by EDC-mediated reactions. The ratio of 6-isomer/5-isomer is in the range 3/1 to 6/1. Compared to other rhodamines, ROX is very unstable. Cautions must be exercised to prevent the deterioration during storage.