

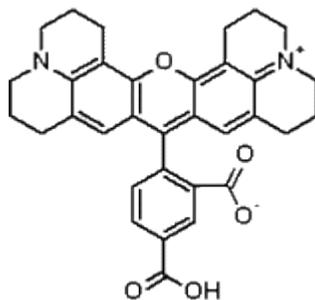
Product Information Sheet

Ordering Information

Product Number:	381
Product Name:	5-ROX [5-Carboxy-X-rhodamine] * Single isomers*
Size:	5 g
Storage Conditions:	<-15 °C and kept from light and moisture
Expiration Date:	12 months upon receiving

Chemical, Physical and Spectral Properties

Molecular Weight:	534.60
Appearance:	Dark red solid
Chemical Structure:	



Soluble in:	DMSO
Excitation Wavelength:	567 nm
Emission Wavelength:	591 nm

Application Notes

5-ROX is the purified single isomer of 5(6)-ROX. It is preferred for some complicated biological applications where reproducibility is more critical than material cost since the minor positional difference between 5-ROX and 6-ROX might significantly affect some biological properties of the underlying conjugates. 5-ROX is predominantly used to label peptides and proteins. Currently AAT Bioquest is using a proprietary process to synthesize isomer-free 5-ROX without the conventional chromatographic purification. Cautions must be exercised to prevent the deterioration during storage.