

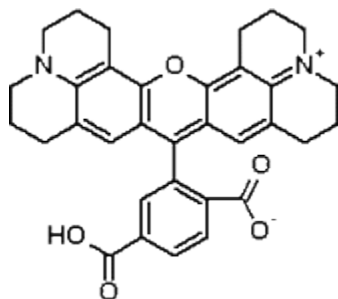
Product Information Sheet

Ordering Information

Product Number:	382
Product Name:	6-ROX [6-Carboxy-X-rhodamine] * Single isomers*
Size:	25 mg
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:	570 nm
Emission Wavelength:	591 nm

Application Notes

6-ROX is the other 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. 6-ROX is predominantly used to label nucleotides and for DNA sequencing. Currently AAT Bioquest is using a proprietary process to synthesize isomer-free 6-ROX without the conventional chromatographic purification. Cautions must be exercised to prevent the deterioration during storage.