

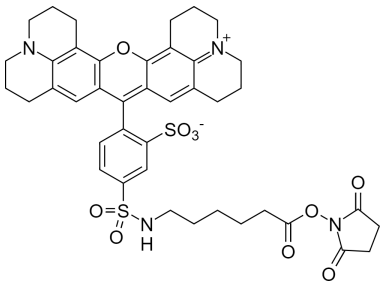
**Texas Red-X, succinimidyl ester \*Single isomer\* \*178623-11-5\***

 Catalog number: 474  
 Unit size: 5 mg

**Product Details**

Storage Conditions	Freeze (<-15 °C), Minimize light exposure
Expiration Date	12 months upon receiving

**Chemical Properties**

Appearance	Purple solid
Molecular Weight	816.94
Soluble In	DMSO
Chemical Structure	

**Spectral Properties**

Excitation Wavelength	586 nm
Emission Wavelength	603 nm

**Applications**

The amine-reactive Texas Red®-X, succinimidyl ester is a superior replacement to Texas Red (Texas Red® is the trademark of Invitrogen). It has the same spectral properties to Texas Red, but it is much easier conjugated to a biomolecule with much higher conjugation yield. It can be used to create bright red-fluorescent bioconjugates with excitation/emission maxima ~595/615 nm. Compared to Texas Red®, this reactive dye contains an additional seven-atom aminohexanoyl spacer ("X") between the fluorophore and the succinimidyl ester group. This spacer helps to separate the fluorophore from its point of attachment, potentially reducing the interaction of the fluorophore with the biomolecule to which it is conjugated. Compared to the mixed isomers (#474), this product is the single 5-isomer, giving more reproducible results.