

Texas red-X,SE

Chemical Properties

CAS No. :

Formula: C41H44N4O10S2

Molecular Weight: 816.94

Keep away from direct sunlight

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

Biological Description

Description	Texas Red-X succinimidyl ester, suitable for high bright Red succinimidyl fluorescence excitation/emission maximum ~ 595/615 nm. This reactive dye contains additional amino hexanoic acid and succinimide groups. This interval helps to distinguish between the fluorophore and its marker substances, and may reduce the interaction between the biomolecules of the fluorophore that are conjugated.
Targets(IC50)	Others
In vitro	The amine-reactive Texas Red-X, SE is superior to Texas Red. It is much easier conjugated to a biomolecule with much higher conjugation yield. It can be used to create bright red-fluorescent bioconjugates with Ex/Em maxima ~595/615 nm. It contains an additional seven-atom aminohexanoyl spacer ('X') between the succinimidyl ester and the fluorophore group compared to Texas Red. 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.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2241 mL	6.1204 mL	12.2408 mL
5 mM	0.2448 mL	1.2241 mL	2.4482 mL
10 mM	0.1224 mL	0.612 mL	1.2241 mL
50 mM	0.0245 mL	0.1224 mL	0.2448 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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