

Product Information Sheet

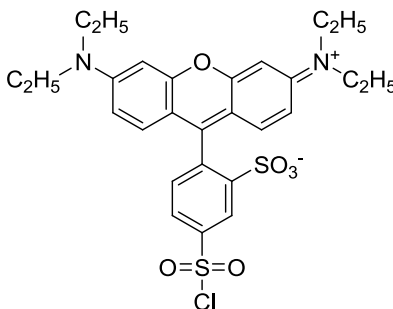
Ordering Information

Product Number:	470
Product Name:	Lissamine Rhodamine B Sulfonyl Chloride
Unit Size:	100 mg
Storage Conditions:	<-15 °C and kept from light and moisture
Expiration Date:	12 months upon receiving

Chemical, Physical and Spectral Properties

Molecular Weight: 577.11

Chemical Structure:



Appearance:	Purple Solid
Soluble in:	DMF
Excitation Wavelength:	568 nm
Emission Wavelength:	583 nm

Application Notes

SRB sulfonyl chloride (also called Lissamine rhodamine sulfonyl chloride[™]) is highly fluorescent. It is quite unstable in water, especially at the higher pH required for reaction with aliphatic amines. Protein modification by this reagent is frequently done at low temperature (preferably at 4 °C). This reagent reacts with amine compounds such as amino acids, peptides and proteins to give bright red fluorescent conjugates that are extremely stable, and resistant to protease-catalyzed hydrolysis. Unlike succinimidyl esters, sulfonyl chlorides react with both aliphatic amines and aromatic amines indiscriminately.