

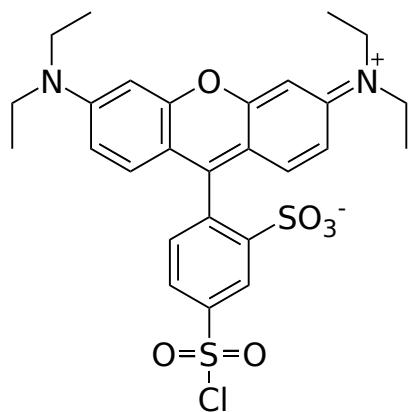
Lissamine Rhodamine B Sulfonyl Chloride [Sulforhodamine B sulfonyl chloride] *CAS 62796-29-6*

Catalog Number: 470
Unit Size: 100 mg

Product Details

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

Chemical Properties

Appearance	Solid purple
Molecular Weight	577.11
Soluble In	DMF
Chemical Structure	

Spectral Properties

Excitation Wavelength	558 nm
Emission Wavelength	575 nm

Applications

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.