

18:1 Liss Rhod PE

1,2-dioleoyl-sn-glycero-3-phosphoethanolamine-N-(lissamine rhodamine B sulfonyl) (ammonium salt)

810150P-5MG

Page 1 of 1

Molecular Weight	1301.715
Chemical Formula	C ₆₈ H ₁₀₉ N ₄ O ₁₄ PS ₂
Physical State	Powder
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	5340PHB093
Avanti Lot Number	810150P-5MG-B-093

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Powder: Pink to dark pink solid which contains no foreign matter	Pass
TLC	>99% Purity UV: one major spot Iodine: one major spot Phosphorus: positive Water dip: one major spot	All Pass
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Excitation/Emission by UV/Vis	$\lambda_{Ex\ max} \approx 560\ nm$ $\lambda_{Em\ max} \approx 583\ nm$	$\lambda_{Ex\ max} = 561\ nm$ $\lambda_{Em\ max} = 579\ nm$
Mass Spectroscopy	$[M-NH_4]^+ = 1283.7 \pm 1\ amu$	$[M-NH_4]^+ = 1282.7\ amu$

Approved By:



For Research Use Only. Not For Human Use.

18:1 Cy7 PE

1,2-dioleoyl-sn-glycero-3-phosphoethanolamine-N-(Cyanine 7)

810337C-1mg

Page 1 of 1