

Egg Liss Rhod PE

L- α -Phosphatidylethanolamine-N-(lissamine rhodamine B sulfonyl) (ammonium salt)
 Transphosphatidylated, Chicken)

(Egg-

810146C-1mg

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Molecular Weight 1275.678 (predominant species)
Chemical Formula C₆₆H₁₀₇N₄O₁₄PS₂
Physical State Chloroform
Storage -20°C
Expiration Date One year from date of receipt
M Lot Number 5339CGB069
Avanti Lot Number 810146C-1MG-B-069

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Chloroform: Pink to dark pink solution which contains no foreign matter	Pass
TLC (65:25:4 Chloroform: Methanol: Ammonium Hydroxide)	>99% Purity UV: one major spot Ninhydrin: n/a Iodine: one major spot Phosphorus: positive Charring: positive Water dip: one major spot	All Pass
Excitation/Emission by UV/VIS	Run & Report	$\lambda_{Ex\ max} = 560\ nm$ $\lambda_{Em\ max} = 579\ nm$
Mass Spectroscopy	[M-NH ₄] ⁺ = 1257.678 \pm 1 amu	[M-NH ₄] ⁺ = 1257.12 amu
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
NBD/Liss Rhod Concentration	Run and Report	19.8 mg/ml

Approved by: *Anderson Thomas*

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