

**SQDG**

sulfoquinovosyldiacylglycerol

**840525P-5mg**

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<b>Molecular Weight</b>	834.2
<b>Chemical Formula</b>	C <sub>43</sub> H <sub>79</sub> NO <sub>12</sub> S
<b>Physical State</b>	Powder
<b>Storage</b>	-20°C
<b>Expiration Date</b>	Three months from date of receipt
<b>M Lot Number</b>	5558PHB026
<b>Avanti Lot Number</b>	840525P-5MG-B-026

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	<b>Powder:</b> White solid which contains no foreign matter	Pass
TLC	>99% Purity Ninhydrin: negative Iodine: one major spot Phosphorus: negative Charring: positive Water dip: one major spot	>99% Purity Ninhydrin: negative Iodine: one major spot Phosphorus: negative Charring: negative Water dip: one major spot
UV Oxidation	NMT 10% total all wavelengths	3.55% total
FAME (GC/FID)	Consistent with historical data: 16:0 = ~45% 18:2 = ~5% 18:3 = ~50%	Consistent with historical data
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Mass Spectroscopy	[M-NH <sub>4</sub> ] <sup>+</sup> = 816.2 ± 1 amu (predominant species)	[M-NH <sub>4</sub> ] <sup>+</sup> = 815.6 amu (predominant species)

 Approved By: *Anderson Thomas*

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