

**DGDG**

Digalactosyldiacylglycerol (Plant)

**840524P-10mg**

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<b>Molecular Weight</b>	937.20
<b>Chemical Formula</b>	C <sub>51</sub> H <sub>84</sub> O <sub>15</sub>
<b>Physical State</b>	Powder
<b>Storage</b>	-20°C
<b>Expiration Date</b>	One year from date of receipt
<b>M Lot Number</b>	5557PID024
<b>Avanti Lot Number</b>	840524P-10MG-D-024

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	<b>Powder:</b> White solid which contains no foreign matter	Pass
TLC	>99% Purity Ninhydrin spray: negative Iodine: one major spot Phosphorus: negative Charring: positive Water dip: one major spot	All Pass
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Mass Spectroscopy	[M+NH <sub>4</sub> ] <sup>+</sup> = 955.20 ± 1 amu	[M+NH <sub>4</sub> ] <sup>+</sup> = 955.3 amu
FAME (GC/FID)	Consistent with historical data 16:3 = ~20% 18:2 = ~10% 18:3 = ~60%	Consistent with historical data
UV Oxidation	NMT 10% total all wavelengths	2% total
HPLC-ELSD	NLT 99% (AUC)	100% AUC

 Approved By: *Meredith Bayood*

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