

**16:0-d31 Ceramide**
**N-palmitoyl-d31-D-erythro-sphingosine**
**868516P-5mg**

Page 1 of 1

<b>Molecular Weight</b>	569.092
<b>Chemical Formula</b>	C <sub>34</sub> H <sub>36</sub> NO <sub>3</sub> D <sub>31</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>	6154PHA011
<b>Avanti Lot Number</b>	868516P-5MG-A-011

ANALYSIS	SPECIFICATION	RESULTS
Physical examination	<b>Powder:</b> White solid which contains no foreign matter.	Pass
TLC (9:1 Chloroform:Methanol)	>99% Purity Ninhydrin: 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+H] <sup>+</sup> = 565.1-571.1 ± 1 amu (multiple peaks will be observed across this range due to proton/deuterium exchange)	[M+H] <sup>+</sup> = 566.3 amu

Approved by:

