

## Biotin S1P

omega-biotinyl D-erythro-sphingosine-1-phosphate

860552P-100ug

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<b>Molecular Weight</b>	620.782
<b>Chemical Formula</b>	C <sub>28</sub> H <sub>53</sub> N <sub>4</sub> O <sub>7</sub> PS
<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>	6001PDA012
<b>Avanti Lot Number</b>	860552P-100UG-A-012

ANALYSIS	SPECIFICATION	RESULTS
Physical examination	<b>Powder:</b> White solid which contains no foreign matter.	All Pass
TLC (65:35:8 Chloroform: Methanol: Water)	>99% Purity Ninhydrin: positive* Iodine: one major spot Phosphorus: positive Charring: positive Water dip: one major spot *positive due to TEA needed to dissolve sample	All Pass
Proton NMR	NMR spectrum consistent with structure	consistent with structure
Mass Spectroscopy	[M+H] <sup>+</sup> = 621.782 ± 1 amu	[M+H] <sup>+</sup> = 621.7 amu

Approved by:

