

## dehydroergosterol (DHE)

ergosta-5,7,9(11),22-tetraen-3 $\beta$ -ol

810253P-1mg

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**Molecular Weight** 394.632  
**Chemical Formula** C<sub>28</sub>H<sub>42</sub>O  
**Physical State** Powder  
**Storage** -20°C  
**Expiration Date** Three months from date of receipt  
**M Lot Number** 5406PGD012  
**Avanti Lot Number** 810253P-1MG-D-012

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	<b>Powder:</b> White solid which contains no foreign matter	Pass
TLC (8:2 Hexane: Ethyl Acetate)	>99% Purity Ninhydrin: negative Iodine: one major spot Phosphorus: negative Charring: positive Water dip: one major spot	All Pass
HPLC-ELSD	NLT 99% (AUC)	100% (AUC)
Excitation/Emission by UV/VIS	$\lambda_{Ex\ max} = 324\ nm$ $\lambda_{Em\ max} = 535\ nm$	Pass
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Mass Spectroscopy	$[M+H]^+ = 395.632 \pm 1\ amu$ $[M+NH_4]^+ = 412.632 \pm 1\ amu$	$[M+H]^+ = 395.5\ amu$

Approved by:



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