

dehydroergosterol (DHE)

ergosta-5,7,9(11),22-tetraen-3 β -ol

810253P-1mg

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Molecular Weight	394.632
Chemical Formula	C ₂₈ H ₄₂ O
Physical State	Powder
Storage	-20°C
Expiration Date	Three months from date of receipt
M Lot Number	5406PGF012
Avanti Lot Number	810253P-1MG-F-012

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Powder: 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	$[M+H]^+ = 395.632 \pm 1\ amu$ $[M+NH_4]^+ = 412.632 \pm 1\ amu$	$[M+H]^+ = 395.5\ amu$

Melissa Bolin

Approved by:

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