

CERTIFICATE of ANALYSIS

PRODUCT:	Ecdysone [α -Ecdysone; 2 β ,3 β ,14 α ,22 <i>R</i> ,25-Pentahydroxy-5 β -cholest-7-en-6-one], C ₂₇ H ₄₄ O ₆ , M.W. 464.6, CAS# [3604-87-3]						
PRODUCT NUMBER:	E-1063						
LOT NUMBER:	A7082						
APPEARANCE:	White Powder						
SOLUBILITY:	Soluble in methanol, ethanol, acetic acid and DMSO. Sparingly soluble in chloroform. Insoluble in water.						
PURITY (HPLC):	97.7%						
PURITY (TLC):	Rf 0.33, chloroform:methanol (8:2)						
MELTING POINT:	240-241°C						
OPTICAL ROTATION:	<table><thead><tr><th><u>SPECIFICATIONS:</u></th><th><u>RESULTS</u></th></tr></thead><tbody><tr><td>$[\alpha]_D^{25} = +67.5^\circ \pm 2.5^\circ$</td><td>+ 67.8°</td></tr><tr><td>c = 1% in methanol</td><td></td></tr></tbody></table>	<u>SPECIFICATIONS:</u>	<u>RESULTS</u>	$[\alpha]_D^{25} = +67.5^\circ \pm 2.5^\circ$	+ 67.8°	c = 1% in methanol	
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ELEMENTAL ANALYSIS:	<table><tbody><tr><td>C: 69.79%</td><td>C: 69.95%</td></tr><tr><td>H: 9.54%</td><td>H: 9.64%</td></tr></tbody></table>	C: 69.79%	C: 69.95%	H: 9.54%	H: 9.64%		
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H: 9.54%	H: 9.64%						

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STORAGE & HANDLING: Keep cool and dry at -20°C.

CAUTION: For laboratory research & scientific manufacturing use only. Not for human or drug use. The pharmacological and toxicological properties of this product have not been fully investigated. Use caution when handling. Do not use this compound if you are not fully trained or are unaware of the hazards involved.

Verified:

A handwritten signature in blue ink, appearing to be 'J. P. Smith', is written over a faint rectangular stamp area.