

## Certificate of Analysis

<b>PRODUCT:</b>	<b>Ponasterone A; Semi-synthetic</b> [Pon A; 25-Deoxy-20-hydroxyecdysone; 25-Deoxyecdysterone; 2 $\beta$ ,3 $\beta$ ,14 $\alpha$ ,20R,22R-Pentahydroxy-5 $\beta$ -cholest-7-en-6-one; AI3-44686] C <sub>27</sub> H <sub>44</sub> O <sub>6</sub> , M.W. 464.6, CAS# [13408-56-5], M.I. <b>14</b> : 7588
<b>PRODUCT NUMBER:</b>	P-1083
<b>LOT NUMBER:</b>	2307978
<b>APPEARANCE:</b>	Off White powder
<b>SOLUBILITY:</b>	Soluble in acetic acid, 100% ethanol, methanol or DMSO. Insoluble in water.
<b>PURITY (HPLC):</b>	97.2%
<b>PURITY BY TLC:</b>	Single spot
<b>NMR:</b>	Consistent with structure.
<b>PRODUCT DESCRIPTION:</b>	A member of the ecdysteroid family. Potent compound for ecdysteroid activity; EC <sub>50</sub> = 0.07 $\mu$ M.
<b>USE &amp; STABILITY:</b>	To prepare a 1mM stock solution (1.1mM) in 100% ethanol: Add 2 mL of 100% ethanol to 1mg (2 $\mu$ mol). Gently mix to dissolve the product (5-10 min.). Do not heat solution to dissolve the product. Store 1mM stock solution at +4°C or at -20°C.
<b>STORAGE &amp; HANDLING:</b>	Store desiccated at -20°C.  CAUTION: For research 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: PC