

## CERTIFICATE OF ANALYSIS

<b>PRODUCT:</b>	<b>Ponasterone A; Synthetic</b> [25-Deoxy-20-hydroxyecdysone; 25-Deoxyecdysterone; 2 $\beta$ ,3 $\beta$ ,14 $\alpha$ ,20R,22R-Pentahydroxy-5 $\beta$ -cholest-7-en-6-one] C <sub>27</sub> H <sub>44</sub> O <sub>6</sub> , M.W. 464.6, CAS# [13408-56-5]
<b>PRODUCT NUMBER:</b>	P-1083
<b>LOT NUMBER:</b>	B1597
<b>APPEARANCE:</b>	White powder
<b>SOLUBILITY:</b>	Soluble in acetic acid, 100% ethanol, methanol or DMSO; insoluble in water.
<b>PURITY (HPLC):</b>	96.2%
<b>IDENTITY:</b>	Determined by <sup>1</sup> H- and <sup>13</sup> C-NMR.
<b>PRODUCT DESCRIPTION:</b>	A member of the ecdysteroid family. Analog of ecdysone with similar properties to muristerone A. It is a functional, reliable and economical substitute for muristerone A as an inducer for the ecdysone-inducible mammalian expression system. Results show that ponasterone A was able to induce expression of $\beta$ -galactosidase to levels similar to those obtained with muristerone A induction.
<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.

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**STORAGE & HANDLING:** Keep cool and dry 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: KT