Ponasterone A

Ecdysteroid

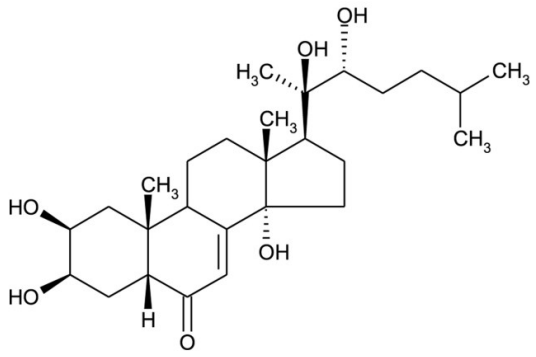
A member of the ecdysteroid family. Analog of ecdysone with similar properties to muristerone A. It is a functional, reliable and economical substitute for muristerone A as an inducer for the ecdysone-inducible mammalian expression system. Results show that ponasterone A was able to induce expression of β-galactosidase to levels similar to those obtained with muristerone A induction. Potent compound for ecdysteroid activity; EC_{50}= 0.07 µM.

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ALX-370-014-M001	1mg
ALX-370-014-M005	5mg

Manuals, SDS & CofA View Online »


OH
OH
H3C
CH3
CH3
CH3
CH3
HO
HO
OH
H
O

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended. To prepare a 1mM stock solution (1.1mM) in 100% ethanol: Add 2ml of 100% ethanol to 1mg (2µmol). Gently mix to dissolve the product (5 to 10 min.). Do not heat solution to dissolve the product. Store the 1mM stock solution at +4°C or at -20°C.
Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	25-Deoxy-20-hydroxyecdysone, 25-Deoxyecdysterone, 2β,3β,14α,20R,22R-Pentahydroxy-5β-cholest-7-en-6-one
Appearance	White to off-white powder.
CAS	13408-56-5
Formula	$C_{27}H_{44}O_6$
Identity	Identity determined by NMR.
MI	**14:** 7588
MW	464.6
Purity	≥95% (HPLC)
Solubility	Soluble in acetic acid, 100% ethanol, methanol or DMSO; insoluble in water.
Source	Synthetic.

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