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## DATASHEET

Muristerone A

### Product overview

<b>Name</b>	Muristerone A
<b>Cat No</b>	HB3985
<b>Biological action</b>	Agonist
<b>Purity</b>	>95%
<b>Description</b>	Ecdysone receptor (EcR) agonist. Apoptosis inducer.

### Biological Data

<b>Biological description</b>	Potent member of the ecdysteroid family. Ecdysone receptor (EcR) agonist. Analog of ecdysone with similar properties to ponasterone A. Inducer of ecdysone-inducible gene expression systems in mammalian cells and transgenic animals. Induces apoptosis in cells transfected with wild-type Bax. Induces expression of beta-galactosidase. Stimulates Bcl-XL mRNA transcription and inhibits TRAIL- and hFasL-induced apoptosis in RKO cells. Insect steroid hormone involved in regulating metamorphosis, causing a response to G2 cell cycle arrest. Major molting hormone in some insects. Has protective effects in plants.
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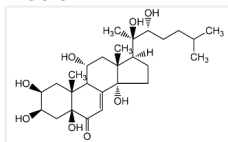
### Solubility & Handling

<b>Storage instructions</b>	+4 °C
<b>Important</b>	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

### Chemical Data

**Molecular Weight**  
**Chemical structure**

496.6



**Molecular Formula**  
**CAS Number**  
**PubChem identifier**  
**SMILES**

C<sub>27</sub>H<sub>44</sub>O<sub>8</sub>

38778-30-2

122217

O[C@@H]1[C@H](O)C[C@](C(C=C3[C@@]([H])2[C@H](O)C[C@@]4(C)[C@](O)3CC[C@@]([H])4[C@](O)(C)[C@H](O)CCC(C)C=O)(O)[C@]2(C)C1

**InChiKey**  
**Appearance**

LRJUYAVTHIEHAI-LDJCFVSYSA-N

White to off-white solid