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DATASHEET

Muristerone A

Product overview

Name	Muristerone A
Cat No	HB3985
Purity	>95%
Description	Ecdysone receptor (EcR) agonist. Apoptosis inducer.

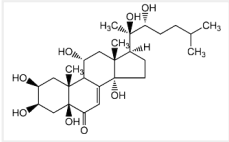
Biological Data

Biological description	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

Storage instructions	+4 °C
Important	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	496.6
Chemical structure	
Molecular Formula	C ₂₇ H ₄₄ O ₈
CAS Number	38778-30-2
PubChem identifier	122217
SMILES	<chem>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</chem>
InChiKey	LRJUAVTHIEHAI-LDJCFVSYSA-N
Appearance	White to off-white solid