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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.

Solubility & Handling

Storage instructions

Important

+4°C

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

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Molecular Formula CAS Number PubChem identifier SMILES

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])2[C@H](O)C[C@@]4(C)[C@](O)3CC[C@@]([H])2[C@H](O)C[C@@]4(C)[C@](O)3CC[C@@]([H])2[C@H](O)C[C@@]4(C)[C@](O)3CC[C@@]([H])2[C@H](O)C[C@@]4(C)[C@](O)3CC[C@@]([H])2[C@H](O)C[C@@]4(C)[C@](O)3CC[C@@]([H])2[C@H](O)C[C@@]4(C)[C@](O)3CC[C@@]([H])2[C@H](O)C[C@@]4(C)[C@](O)3CC[C@@]([H])2[C@H](O)C[C@@]4(C)[C@](O)3CC[C@@]([H])2[C@H](O)C[C@@]4(C)[C@](O)3CC[C@@]([H])2[C@H](O)C[C@](O)3CC[C@@]([H])2[C@H](O)C[C@](O)3CC[C@@]([H])2[C@H](O)C[C@](O)3CC[C@@]([H])2[C@H](O)C[C@](O)3CC[C@@]([H])2[C@H](O)C[C@](O)3CC[CW](O)3CC[CW](O)3CC[CW](O)3CC[CW](O)3CC[CW](O)3CC[CW](O)3CC[CW](O)3CC[CW](O)3CC[CW](O)3CC[CW](O)3CC[CW](O)3CC[CW](O)3CC[CW](O)3C[CW](O)

4[C@](O)(C)[C@H](O)CCC(C)C)=O)(O)[C@]2(C)C1

InChiKey LRJUYAVTHIEHAI-LDJCFVSYSA-N

38778-30-2

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Appearance White to off-white solid